

**SONY®**

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カラービデオカメラ

COLOR VIDEO CAMERA

**DXC-637/637P**

ズームレンズ

ZOOM LENS

**VCL-916BYA**

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**SERVICE MANUAL**

Vol. 2 (1st Edition)

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**Hyper HAD™**

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- エレクトロニックビューファインダーDXF-601のサービス情報については、別途発行のDXF-601のサービスマニュアル(9-977-229-01)をご覧ください。
- カメラマイクホルダーCAC-12の補修部品については、別途発行のCAC-12の部品価格表(9-967-251-71)をご覧ください。
- 三脚アタッチメントVCT-U14の補修部分については、別途発行のVCT-U14のサービスマニュアル(9-977-221-01)をご覧ください。






- On service information for the DXF-601/601CE electronic viewfinder, please see the DXF-601/601CE service manual (9-977-229-01) available separately.
- On service information for the CAC-12 microphone holder, please see the CAC-12 service manual (9-967-252-01) available separately.
- On service information for the VCT-U14 tripod attachment, please see the VCT-U14 service manual (9-977-221-01) available separately.

# TABLE OF CONTENTS

## A. BLOCK DIAGRAMS

Overall .....	A-1
CCD Block Diagram .....	A-2
PR-209 Block Diagram .....	A-3
IE-47 Block Diagram .....	A-4
EN-122 Block Diagram .....	A-5
SG-232 Block Diagram .....	A-6
AT-93 Block Diagram .....	A-7
SW-724 Block Diagram .....	A-8

## B. SCHEMATIC DIAGRAMS AND BOARD ILLUSTRATIONS

Board Illustration .....	B-1
PA-185 .....	B-2
PA-190 	
PA-191 .....	
PR-209 .....	B-4
DUS-841 	
IE-47 .....	B-8
EN-122 .....	B-12
SG-232 .....	B-16
AT-93 .....	B-20
SW-724 .....	B-24
AA-81 .....	B-28
SW-728 	
PSW-30 .....	
CN-1106 .....	
FP-68 .....	
Frame (1/2) .....	B-30
MB-597 	
DUS-852 .....	
CN-1107 .....	
SW-234 .....	B-32
Frame (2/2) .....	
MB-597 	
DUS-852 .....	
CN-1107 .....	
SW-234 .....	

## C. SEMICONDUCTOR

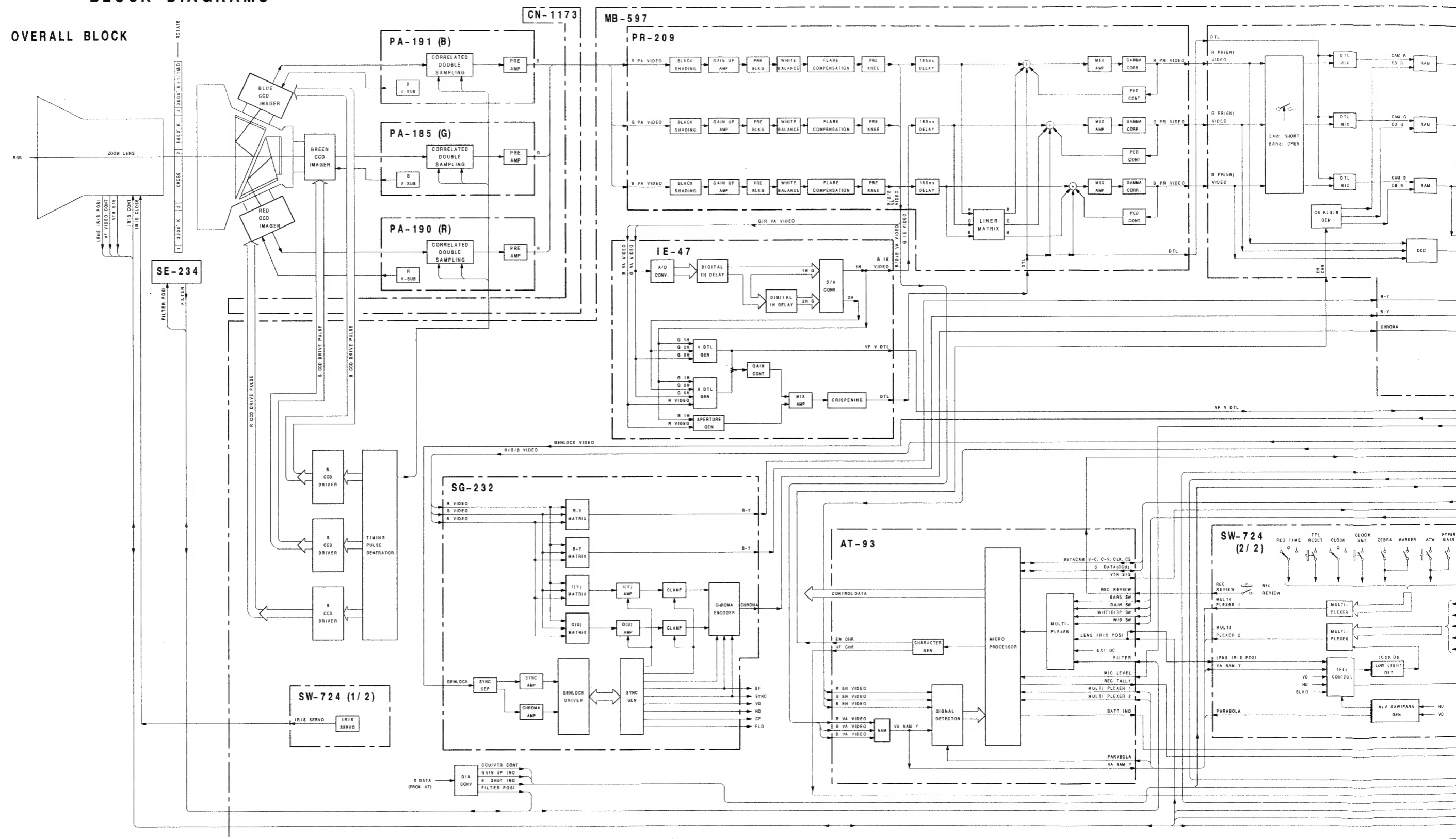
INDEX .....	C-1
DIODE .....	C-2
LED .....	C-2
TRANSISTOR .....	C-2
IC .....	C-3

## D. SPARE PARTS

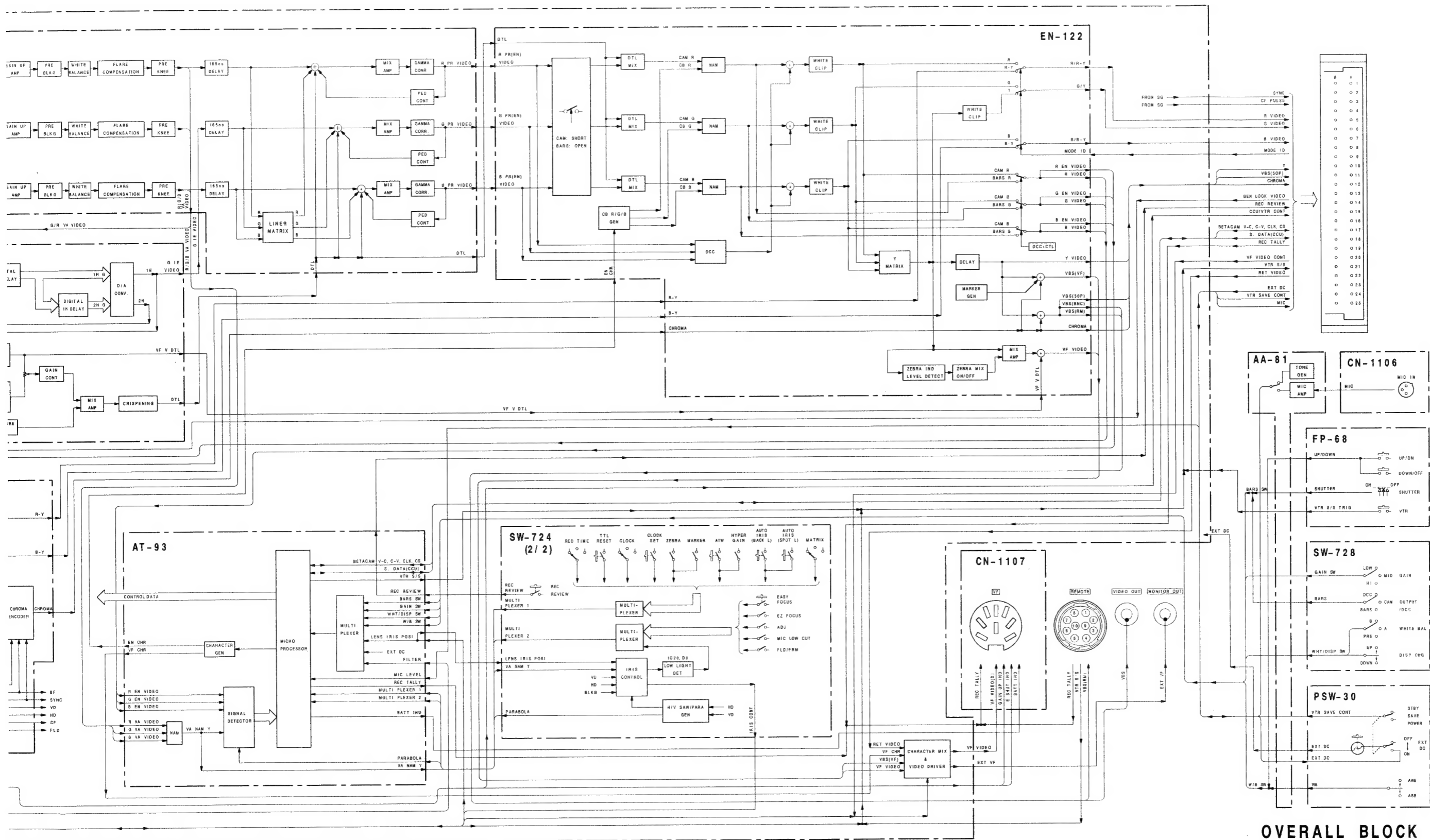
PARTS INFORMATION .....	D-1
EXPLODED VIEW .....	D-2
CCD BLOCK .....	D-2
HANDLE BLOCK .....	D-4
CHASSIS (1) BLOCK .....	D-6
PRINTED CIRCUIT BOARD .....	D-8
CHASSIS (2) BLOCK .....	D-10
MICROPHONE .....	D-12
PACKING MATERIAL AND ACCESSORIES .....	D-12
ELECTRICAL PARTS .....	D-13
EXPLODED VIEW (VCL-916BYA) .....	D-41

# SECTION A BLOCK DIAGRAMS

OVERALL BLOCK

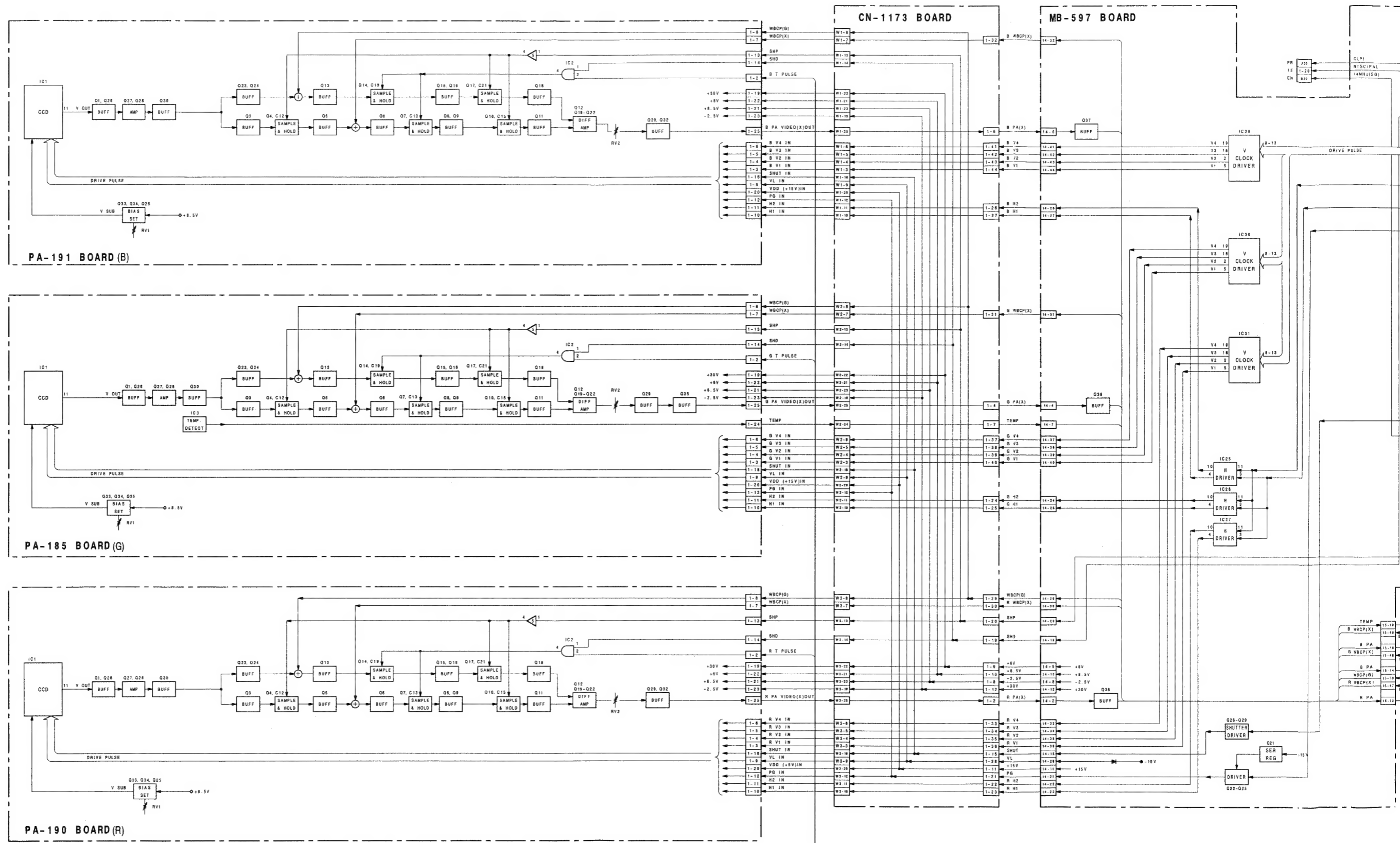


DXC-637 (J)  
DXC-637 (UC)  
DXC-637P(EK)



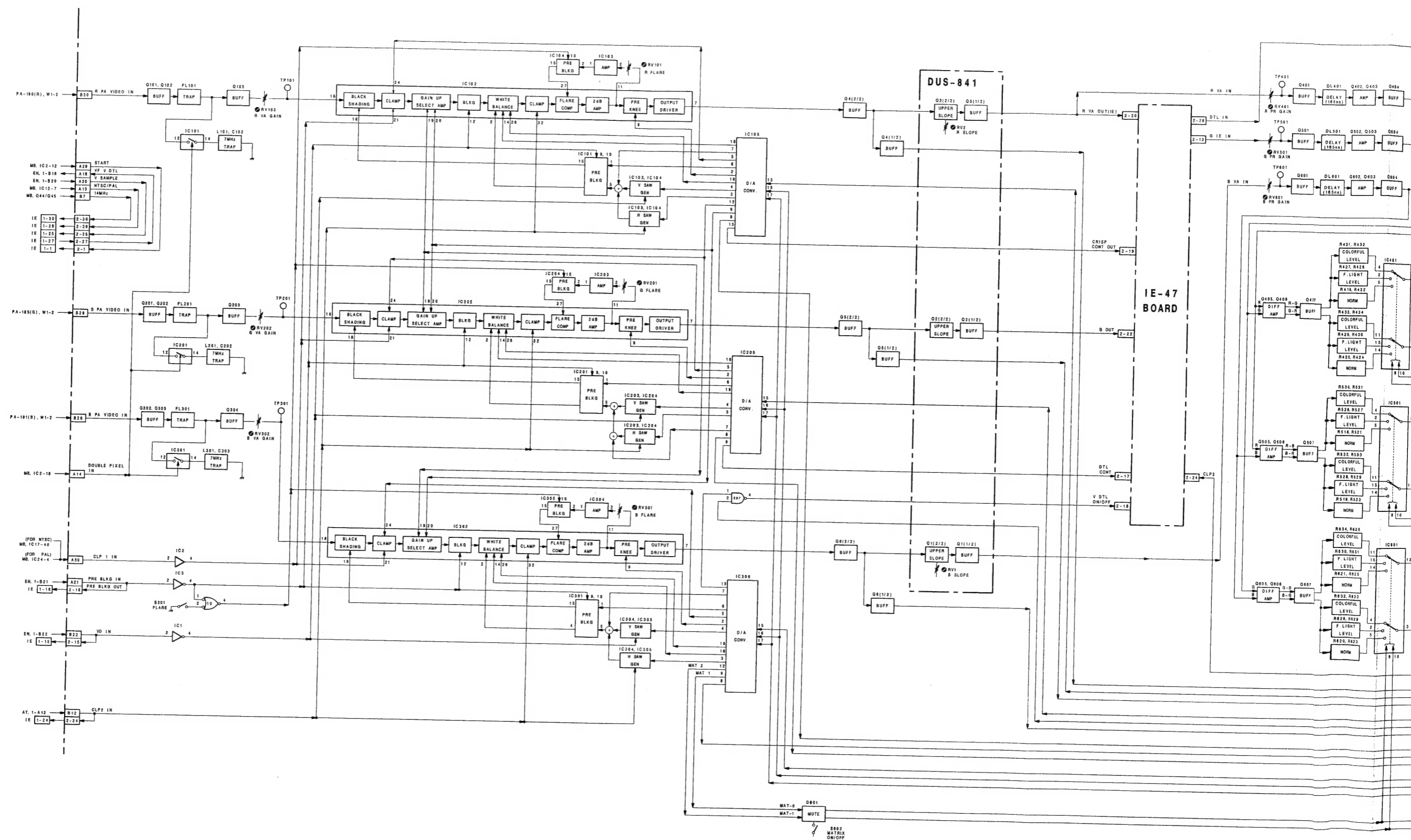
**OVERALL BLOCK**  
 DXC-637(J)  
 DXC-637(UC)  
 DXC-637P(EK, UC)  
 (B-1020637-00000000)

# CCD BLOCK

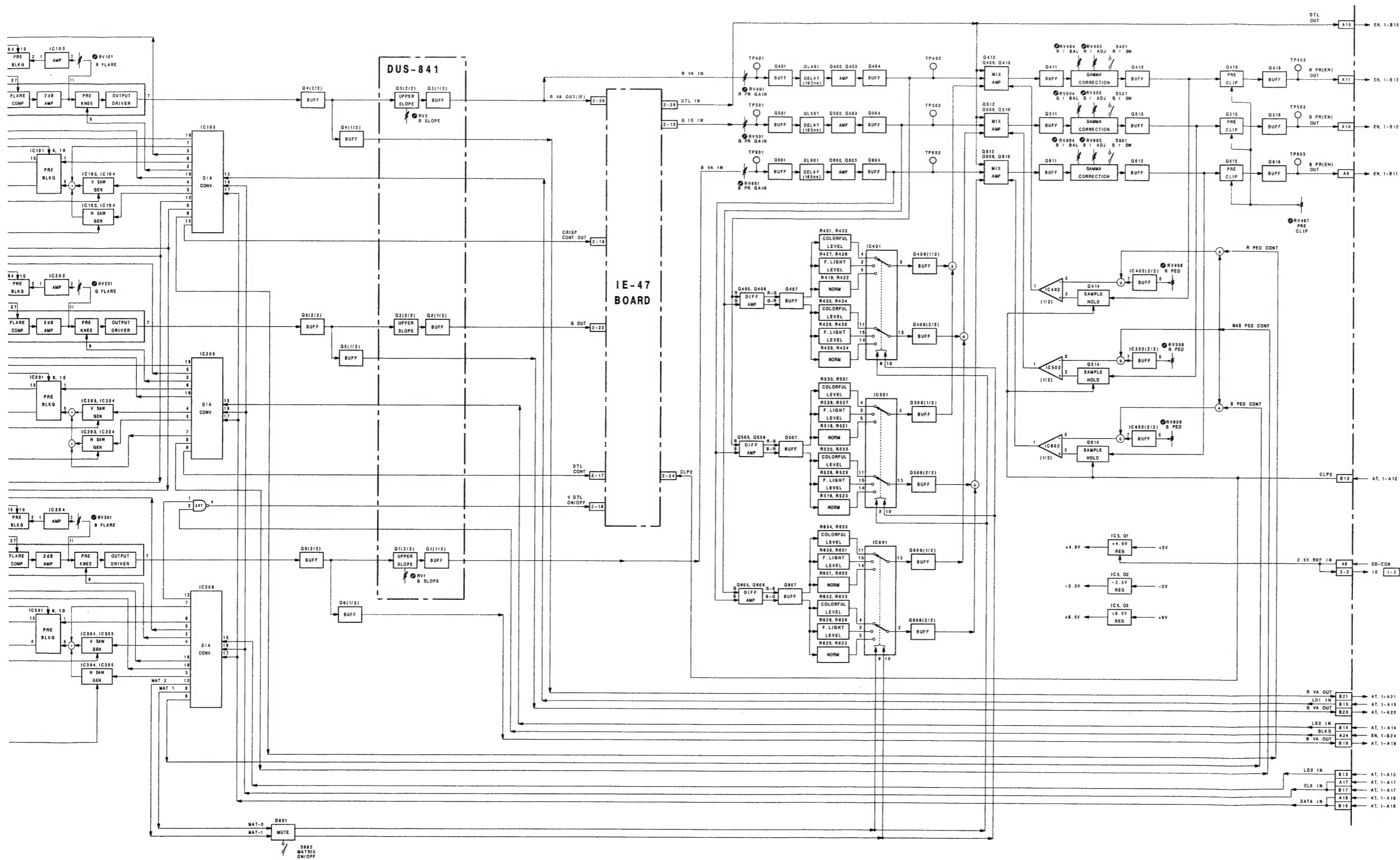




PR-209 BLOCK  
DUS-841 BLOCK

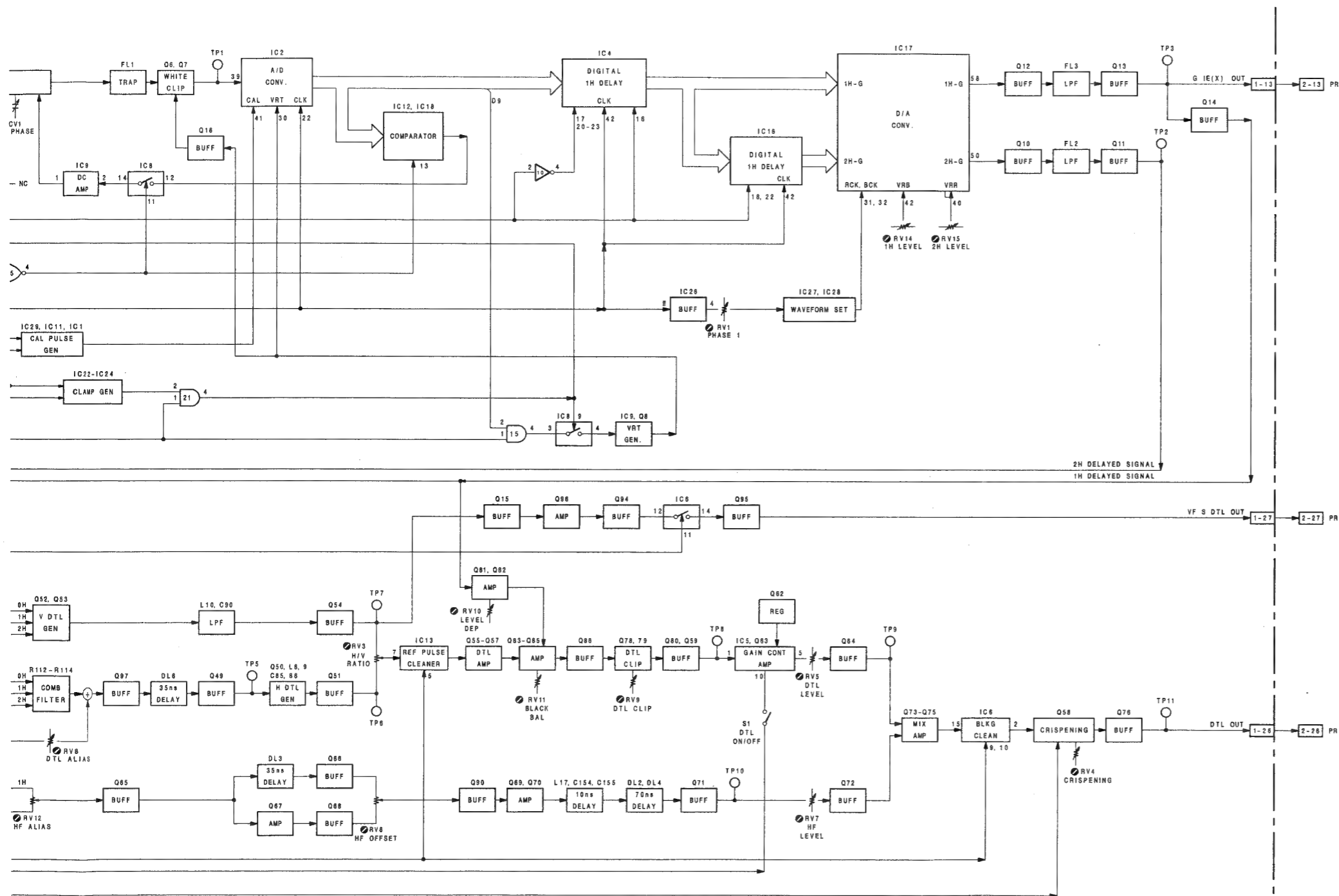


DXC-637 (J)  
DXC-637 (UC)  
DXC-637P(EK)



PR-209 BLOCK  
DUS-841 BLOCK  
DXC-637(J)  
DXC-637(UC)  
DXC-637P(EK, UC)  
B-70X637-PR209BLOCK-DUS841

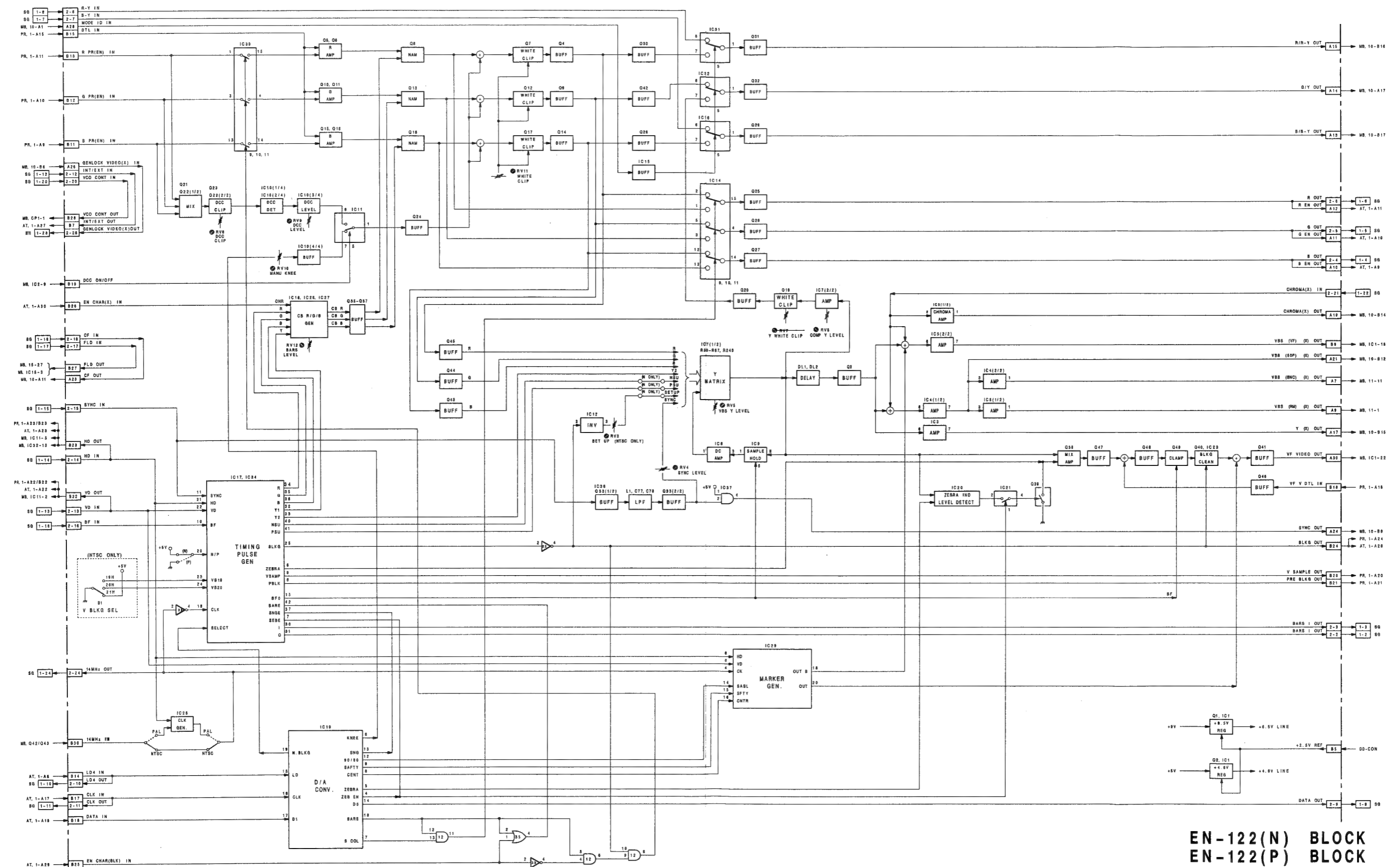




**IE-47 BLOCK**  
 DXC-637(J)  
 DXC-637(UC)  
 DXC-637P(EK, UC)  
 (B-YDXC637-IE47BLOCK/M)

EN-122 BLOCK	EN-122 BLOCK
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EN-122 BLOCK



DXC-637 (J)  
DXC-637 (UC)  
DXC-637P (EK)

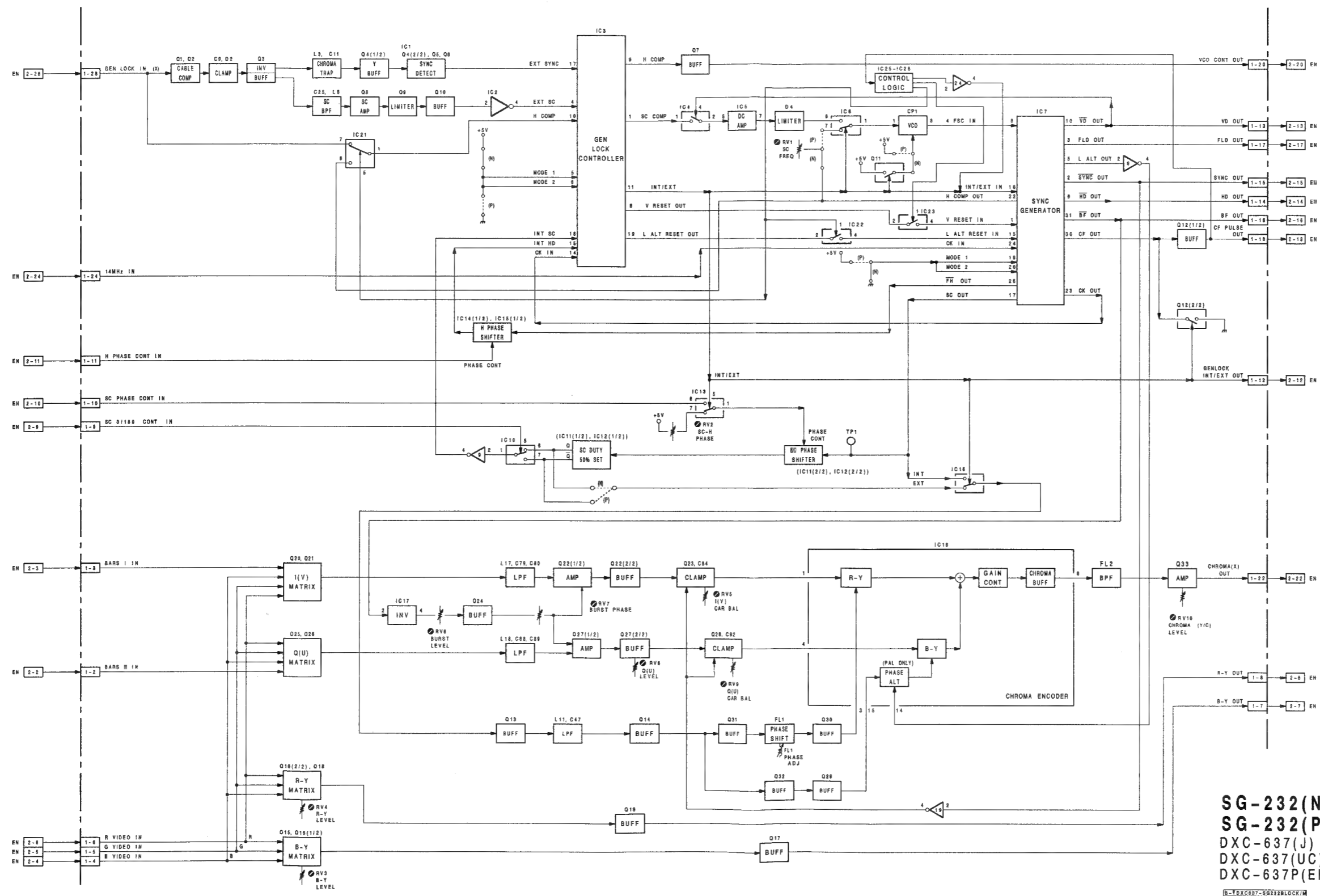
A-5

EN-122(N) BLOCK  
EN-122(P) BLOCK  
DXC-637(J)  
DXC-637(UC)  
DXC-637P(EK, UC)  
B-YDXC637-EN122BLOCK/M

A - 5

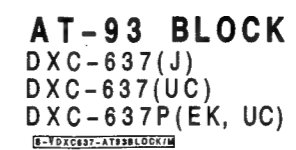
# SG-232 BLOCK SG-232 BLOCK

## SG-232 BLOCK



**AT-93 BLOCK**

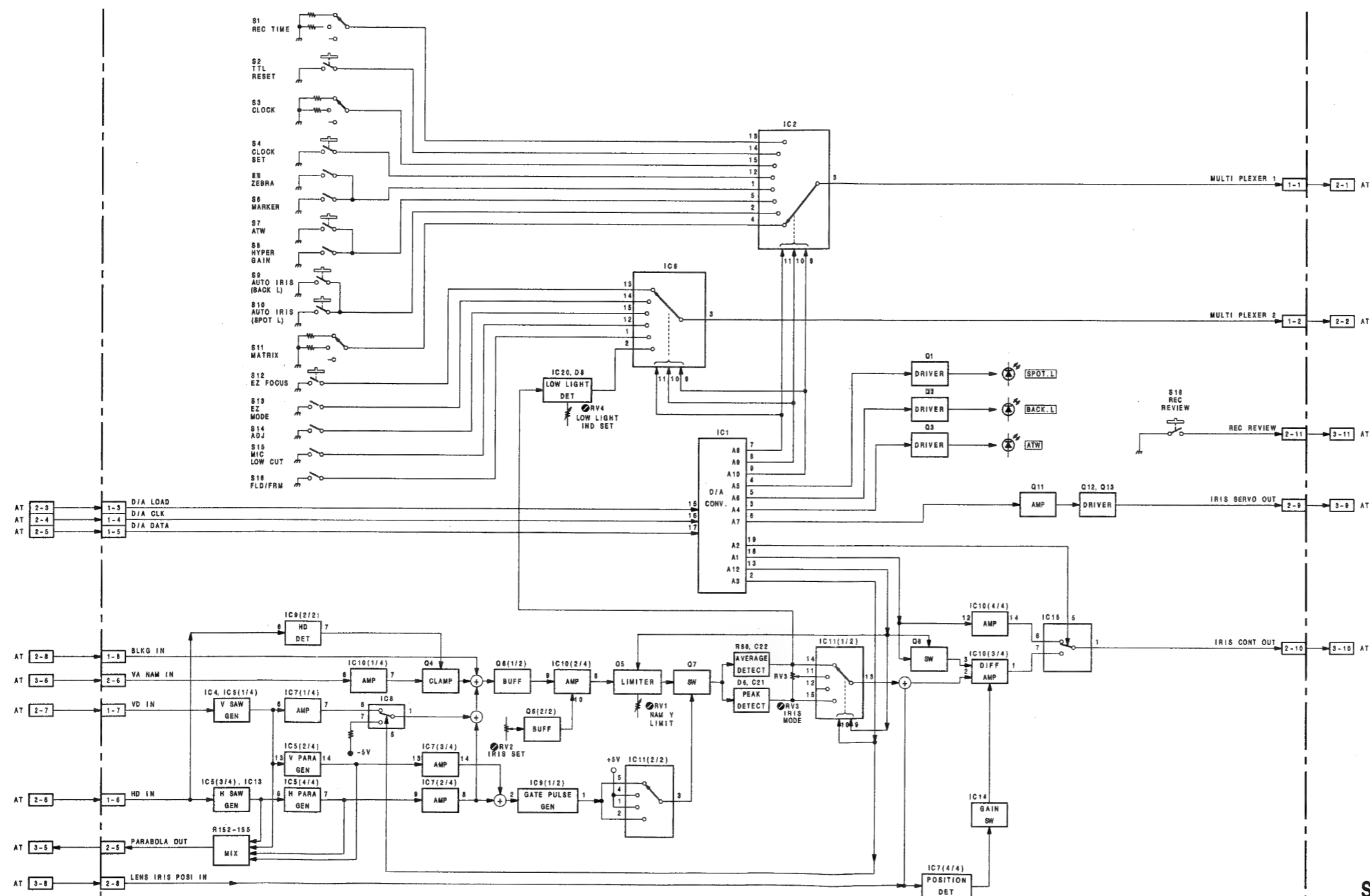
**AT-93 BLOCK**



DXC-637 (J)  
DXC-637 (UC)  
DXC-637P (EK)

# SW-724 BLOCK SW-724 BLOCK

## SW-724 BLOCK

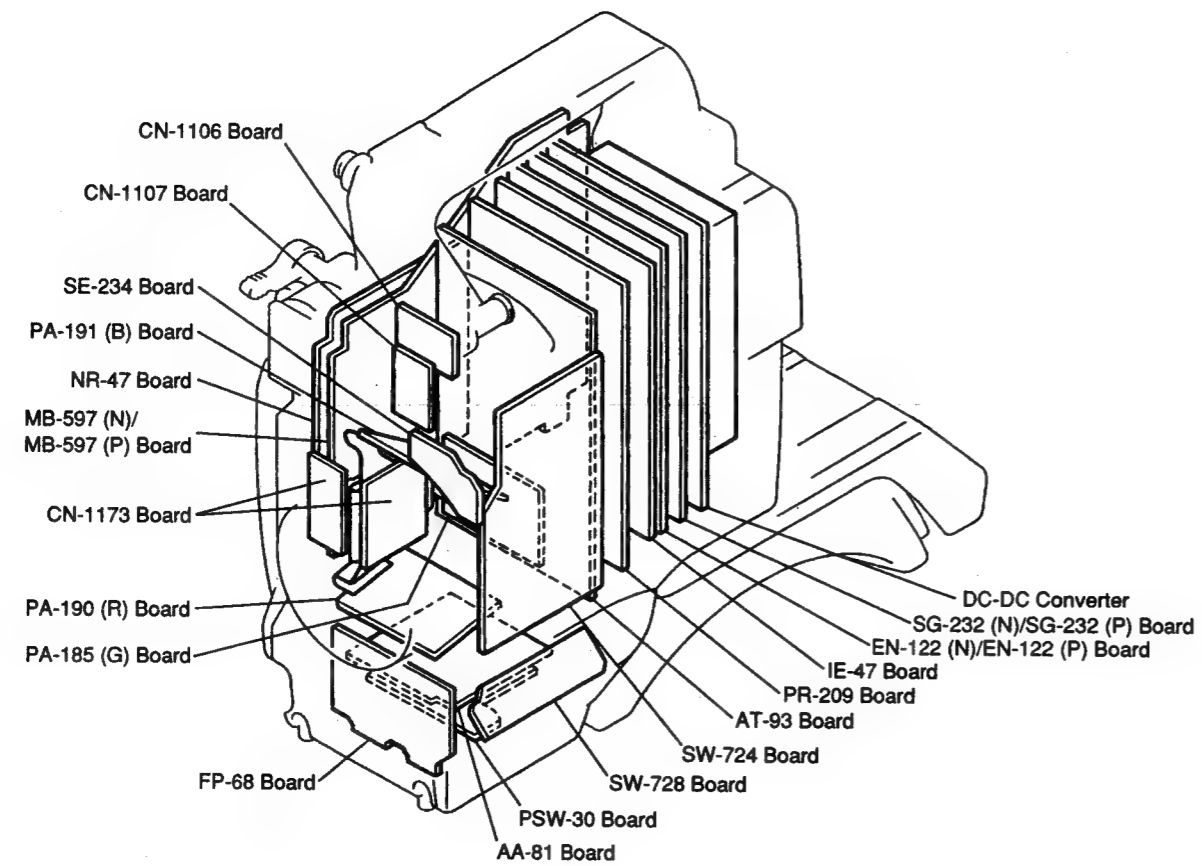


**SW-724 BLOCK**  
 DXC-637(J)  
 DXC-637(UC)  
 DXC-637P(EK, UC)

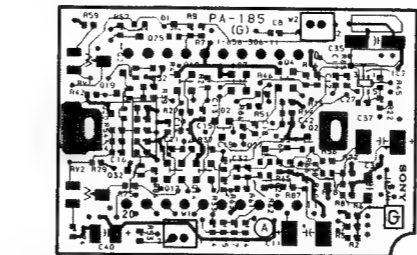
8-7DXC637-SW724BLOCK/JM

## SECTION B

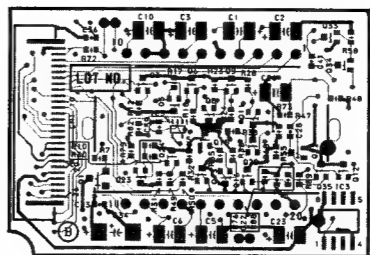
### SCHEMATIC DIAGRAMS AND BOARD ILLUSTRATIONS



PA-185 BOARD

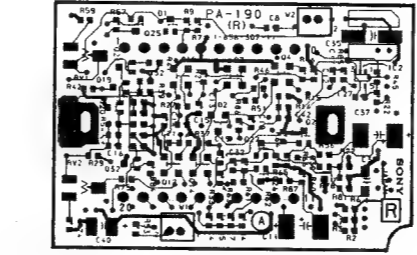


1-656-306-11 COMPONENT SIDE

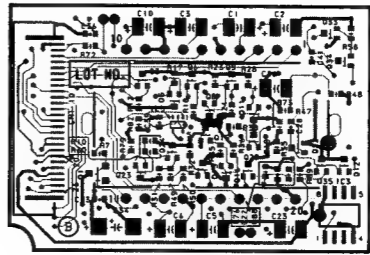


1-656-306-11 SOLDERING SIDE

PA-190 BOARD

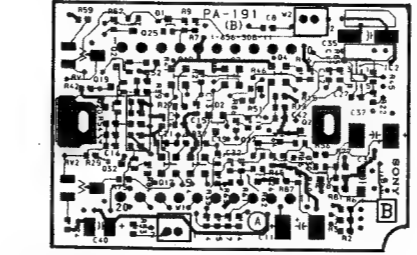


1-656-307-11 COMPONENT SIDE

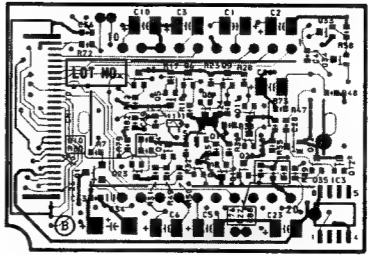


1-656-307-11 SOLDERING SIDE

PA-191 BOARD

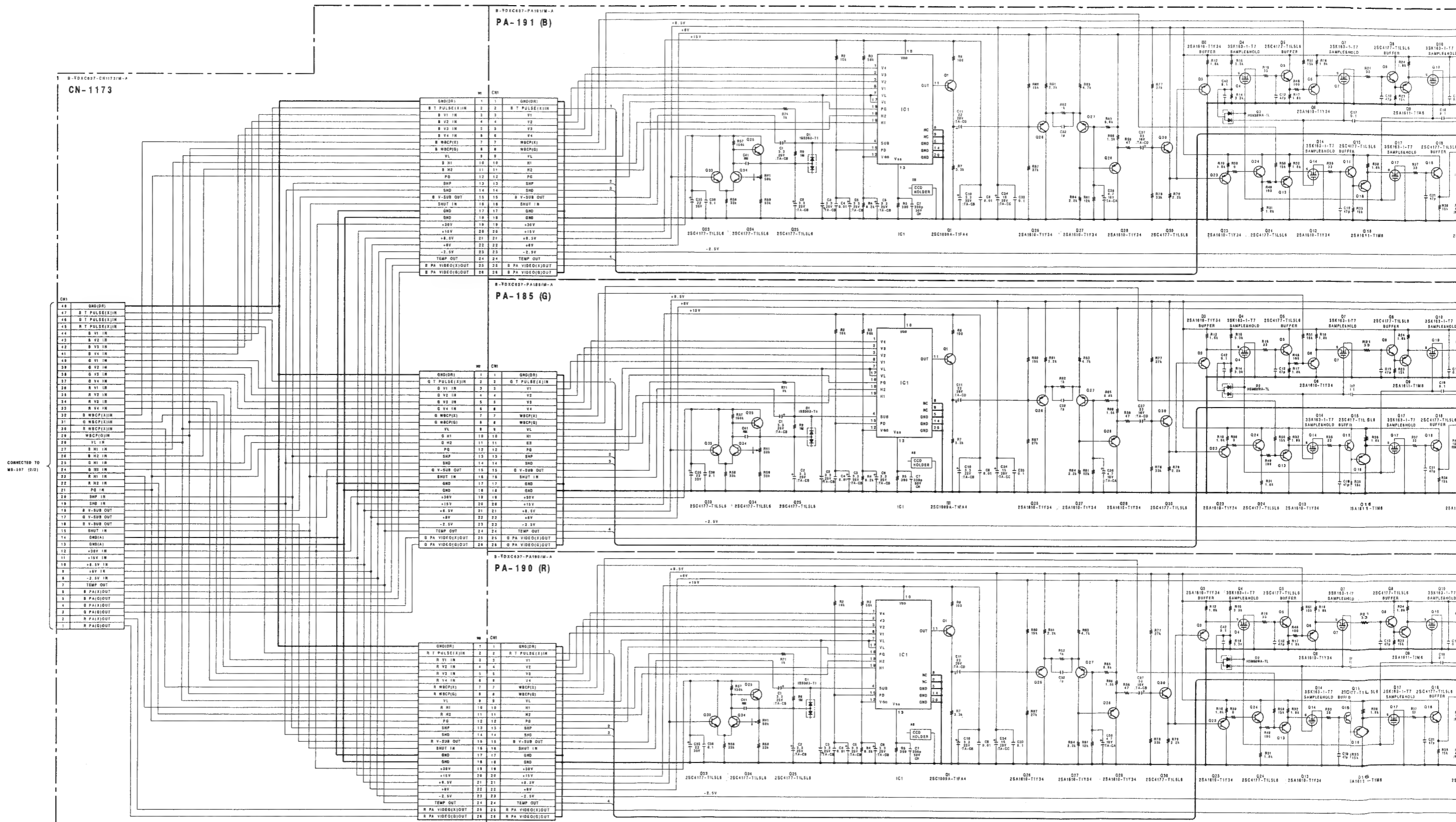


1-656-308-11 COMPONENT SIDE



1-656-308-11 SOLDERING SIDE

CCD BLOCK

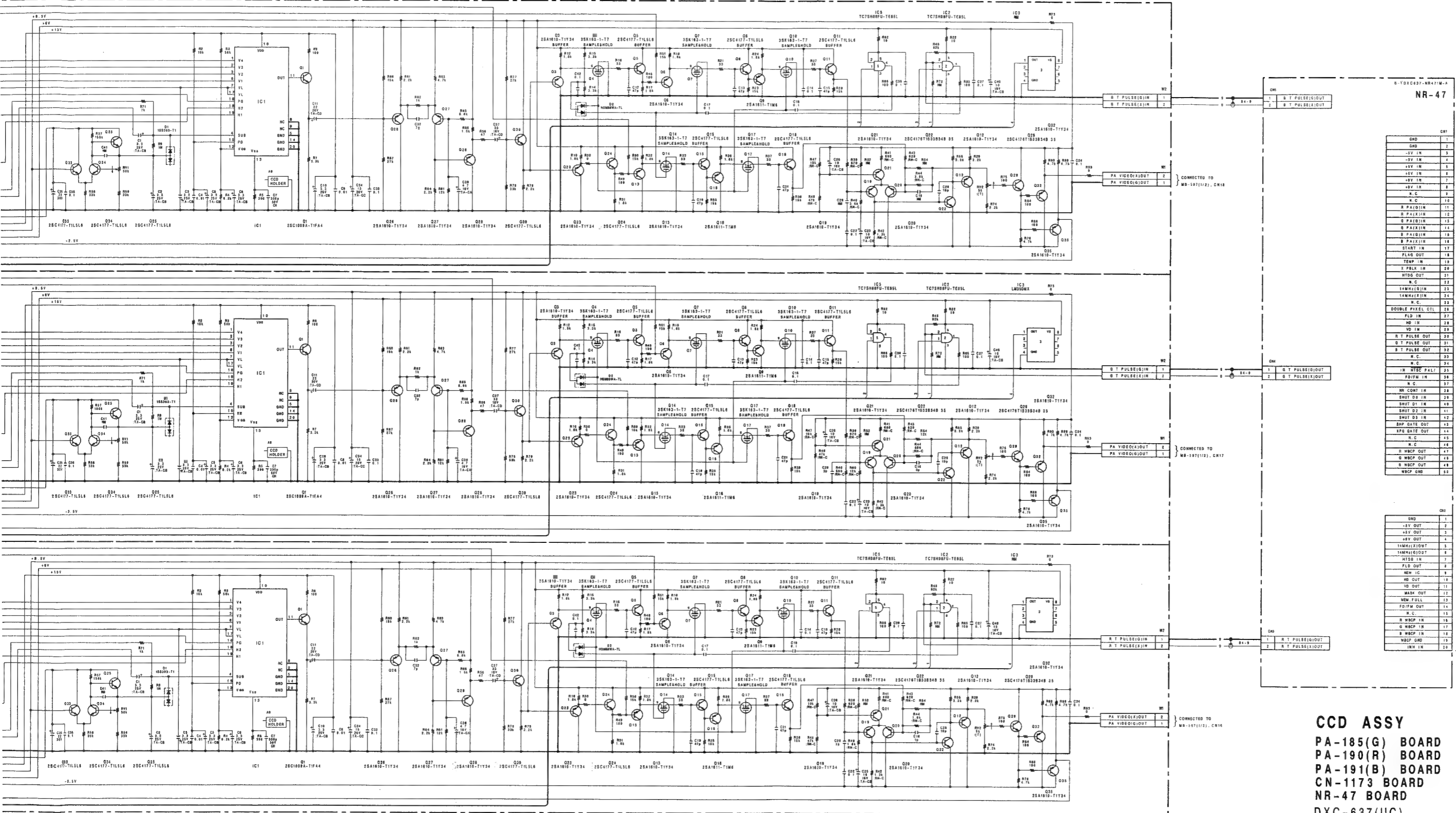


DXC-637 (J)  
DXC-637 (UC)  
DXC-637P (EK)

**B - 3**

**B - 3**

4

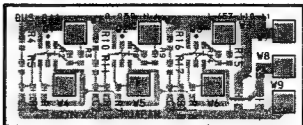


CCD ASSY  
PA-185(G) BOARD  
PA-190(R) BOARD  
PA-191(B) BOARD  
CN-1173 BOARD  
NR-47 BOARD  
DXC-637(UC)  
DXC-637(J)  
DXC-637P(EK, UC)

- A-DXC637-CCDASSY(M)
- B-YDXC637-PA185(M-A)
- B-YDXC637-PA190(M-A)
- B-YDXC637-PA191(M-A)
- B-YDXC637-CN1173(M-A)
- B-YDXC637-NR47(M-A)

DUS-841 BOARD

PR-209



1-657-110-11 COMPONENT SIDE



PR-209 (1

•: B SIDE

CN1 C-  
CN2 E-

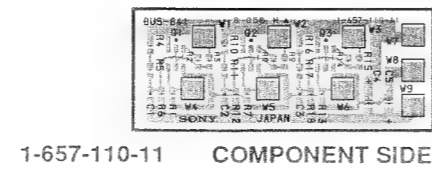
DL401 E-  
DL501 E-  
DL601 E-  
D1 F-  
D2 F-  
•D401 G-  
•D501 G-  
•D601 E-  
•D602 G-

E1 H-

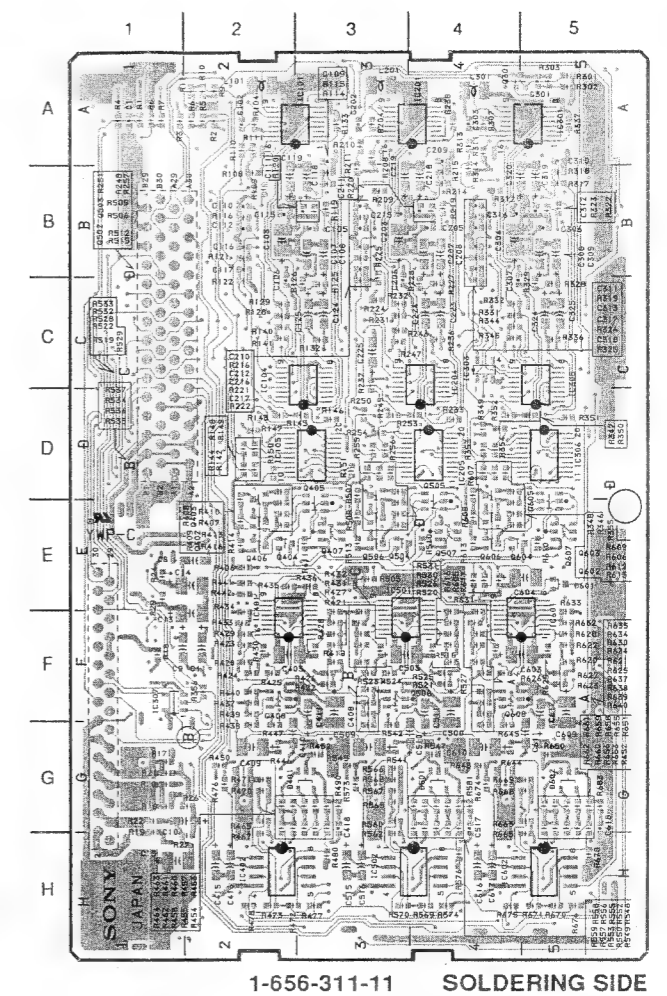
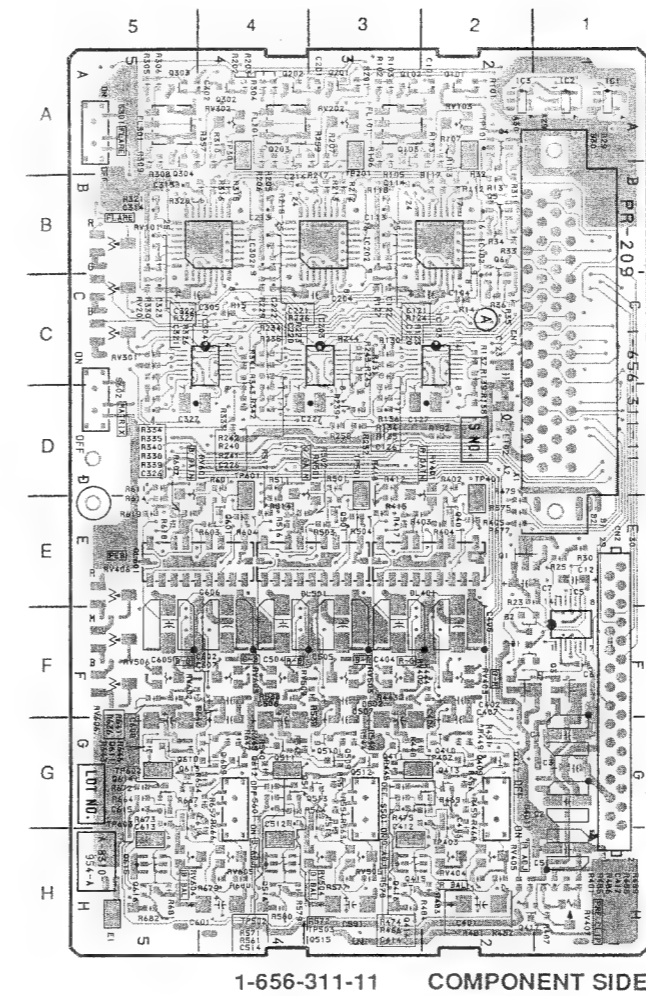
FL101 A-  
FL201 A-  
FL301 A-

IC1 A-

# DUS-841 BOARD



# PR-209 BOARD



PR-209 (1-656-311-11)

※: B SIDE

CN1 C-2	IC2 A-1	*IC401 F-2	Q103 A-3	Q413 G-2	Q601 E-4	RV202 A-3	S602 C-5
CN2 E-1	IC3 A-2	*IC402 H-2	Q201 A-3	Q414 H-3	*Q602 E-5	RV301 C-5	
	IC5 E-1	*IC501 E-3	Q202 A-4	Q415 H-3	*Q603 E-5	RV302 A-4	TP101 A-2
DL401 E-3	*IC101 A-3	*IC502 H-3	Q203 A-4	Q416 H-3	*Q604 E-4	RV401 D-2	TP201 B-3
DL501 E-4	IC102 B-2	*IC601 F-5	*Q301 A-4	Q501 E-3	*Q605 E-5	RV404 H-2	TP301 A-4
DL601 E-5	IC103 C-2	*IC602 H-4	Q302 A-4	*Q502 B-1	*Q606 E-4	RV405 H-2	TP401 D-2
D1 F-2	*IC104 D-2		Q303 A-5	*Q503 B-1	*Q607 E-5	RV406 E-5	TP402 G-2
D2 F-2	*IC105 D-2	*L101 A-2	Q304 B-5	*Q504 E-3	*Q608 F-4	RV407 H-1	TP403 H-2
*D401 G-2	*IC201 A-4	L102 D-2	Q401 E-2	*Q505 D-4	Q609 G-4	RV501 D-3	TP501 D-3
*D501 G-4	IC202 B-3	*L201 A-3	*Q402 E-2	*Q506 E-3	Q610 G-5	RV504 H-3	TP502 H-4
*D601 E-5	IC203 C-3	*L301 A-4	*Q403 E-2	*Q507 E-4	Q611 G-5	RV506 F-5	TP503 H-3
*D602 G-5	*IC204 D-4		*Q404 E-2	*Q508 F-4	Q612 G-4	RV601 D-4	TP601 D-4
	*IC205 D-4	Q1 E-2	*Q405 D-3	Q509 G-3	Q613 G-5	RV604 H-5	TP602 G-5
E1 H-5	*IC301 A-5	Q2 F-1	*Q406 E-2	Q510 G-3	Q614 G-5	RV605 H-4	TP603 G-5
	IC302 B-4	Q3 F-1	*Q407 E-3	Q511 G-4	Q615 H-5	RV606 F-5	
FL101 A-3	*IC303 C-4	Q4 A-2	*Q408 F-2	Q512 G-3	Q616 H-5		
FL201 A-4	IC304 C-4	Q5 B-2	Q409 G-2	Q513 G-3		S301 A-5	
FL301 A-5	*IC305 D-5	Q6 B-2	Q410 G-2	Q514 G-4		RV101 B-5	S401 G-2
	*IC306 D-5	Q101 A-2	Q411 G-3	Q515 H-3		RV103 A-2	S501 G-3
IC1 A-1	*IC307 F-1	Q102 A-3	Q412 G-2	Q516 H-4		RV201 C-5	S601 G-4

## PR-209 VIDEO PROCESS

### 注意：

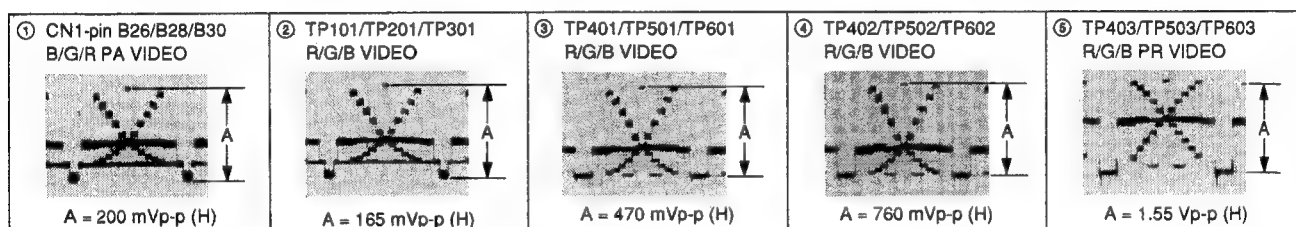
1. 波形写真は、下記条件にて測定。

- 本機にCA-537を接続する。
- オートホワイトバランスをとった後にグレースケールチャートを撮影し、波形モニターにてビデオアウトの白レベルが100 IREになるようにレンズ絞りをセットする。
- SWITCH POSITION
  - OUTPUT : CAM(DCC OFF) • CLOCK : OFF
  - GAIN : 0dB • HYPER GAIN : OFF
  - WHITE BAL : PRESET • MATRIX : OFF
  - SHUTTER : OFF • ATW : OFF
  - ZEBRA MARKER : OFF • A IRIS MODE : STD
  - PHASE : 0°

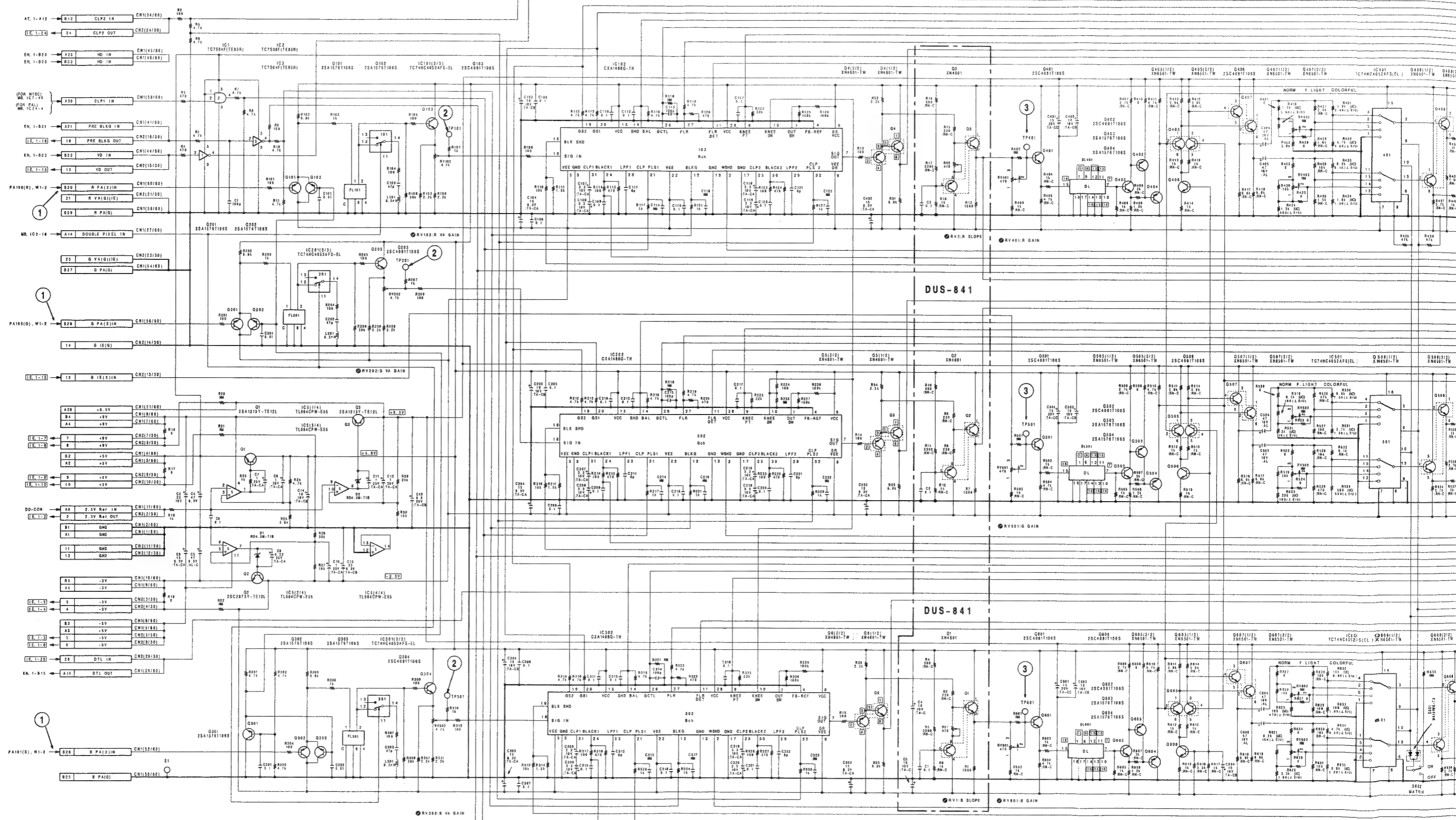
### NOTE:

1. All waveforms are measured in condition below.

- Connect the camera adaptor CA-537/537P to the camera.
- After the auto white balance adjustment is completed, shooting the grayscale chart, adjust the lens iris so that the white level at VIDEO OUT is 100 IRE (PAL: 700 mV) on the waveform monitor.
- SWITCH POSITION
  - OUTPUT : CAM(DCC OFF) • CLOCK : OFF
  - GAIN : 0dB • HYPER GAIN : OFF
  - WHITE BAL : PRESET • MATRIX : OFF
  - SHUTTER : OFF • ATW : OFF
  - ZEBRA MARKER : OFF • A IRIS MODE : STD
  - PHASE : 0°



PR-209  
DUS-841

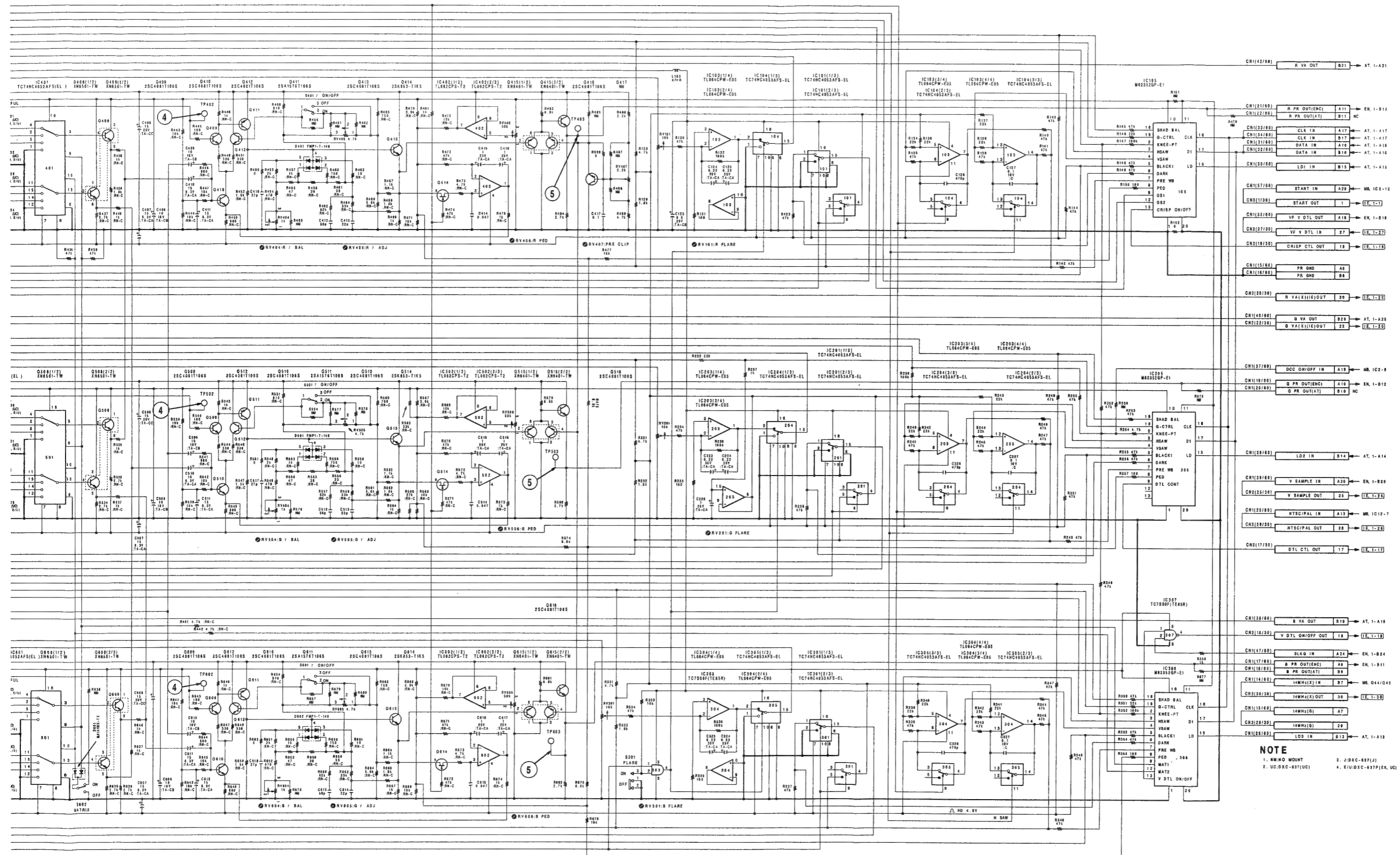


DXC-637 (J)  
DXC-637 (UC)  
DXC-637P (EK)

B-7

B-7

A B C D E F G H

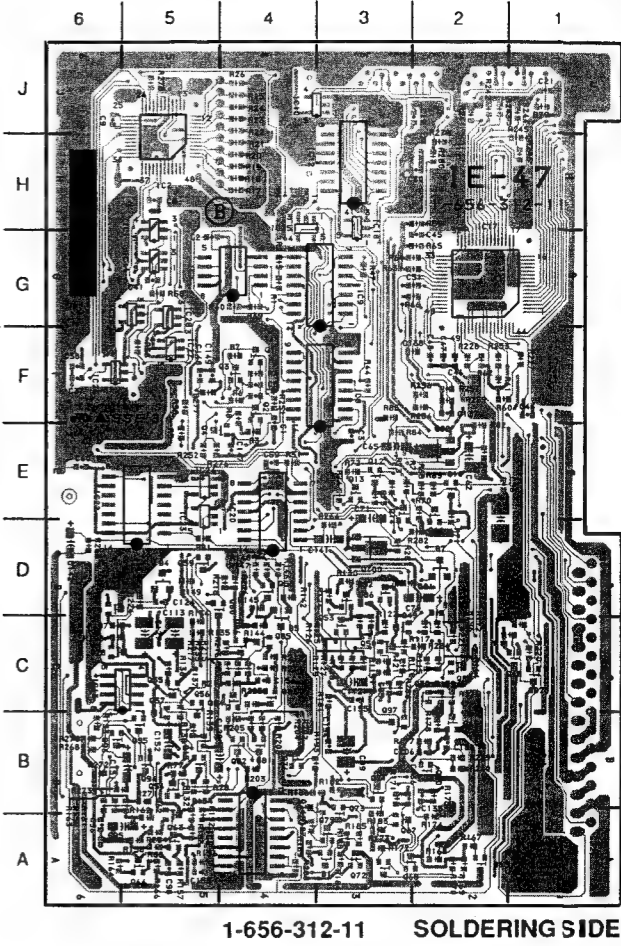
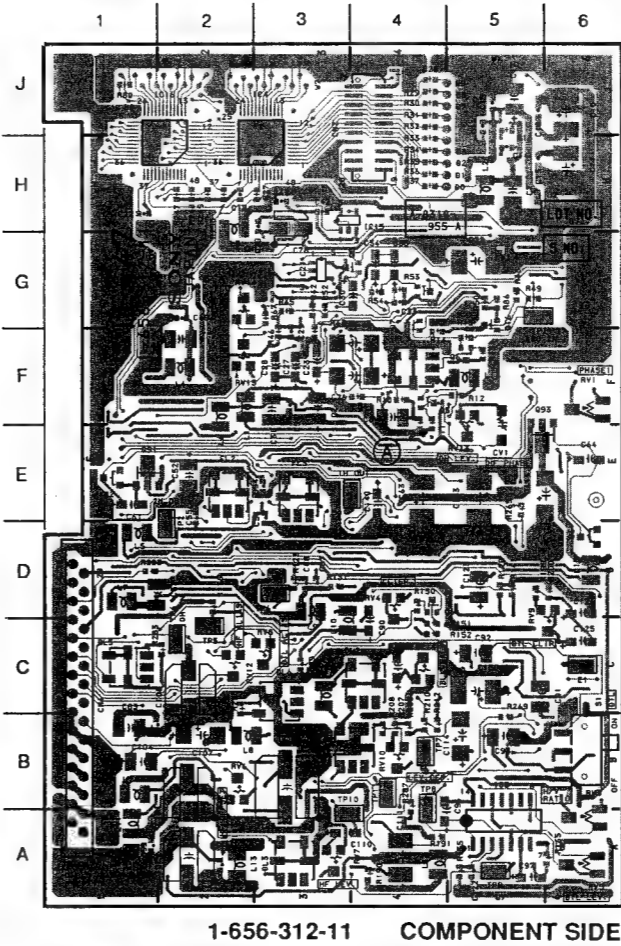


B-7

B-7

PR-219 BOARD  
 DUS-141 BOARD  
 DXC-637 (UC)  
 DXC-637 (J)  
 DXC-637 P(EK, UC)  
 A-DXC837-220 91M-A  
 B-DXC837-220 91M-A

IE-47 BOARD



IE-47 (1-656-312-11)  
\*: B SIDE

CN1	C-1	FL3	E-3	*IC22	E-6	L12	A-1	*Q15	B-5	*Q67	A-3	*Q88	C-2	RV11	C-4
				*IC23	E-5	L13	A-3	Q16	G-5	*Q68	A-3	*Q90	B-2	RV12	C-2
CV1	E-5	*IC1	H-5	*IC24	E-5	L14	B-1	*Q48	C-1	*Q69	B-2	Q91	E-1	RV13	E-5
		*IC2	H-5	*IC25	H-4	L15	D-6	*Q49	D-3	*Q70	A-3	*Q92	E-2	RV14	G-2
DL2	C-3	IC4	J-3	*IC26	F-6	L17	C-3	*Q50	C-3	*Q71	B-3	Q93	F-5	RV15	F-2
DL3	A-3	IC5	B-5	*IC27	F-5			*Q51	D-3	*Q72	A-3	*Q94	B-5		
DL4	B-3	*IC6	A-5	*IC28	G-5	*Q1	F-4	*Q52	D-3	*Q73	B-3	*Q95	B-5	S1	C-6
DL5	C-1	*IC7	G-5	*IC29	G-6	*Q2	F-4	*Q53	C-3	*Q74	B-4	*Q96	B-6		
DL6	C-3	*IC8	F-3			*Q3	F-4	*Q54	B-5	*Q75	A-3	*Q97	C-3	TP1	F-5
*D1	A-3	*IC9	G-3	L1	E-2	*Q4	E-5	*Q55	C-5	*Q76	B-4	*Q100	D-3	TP2	D-2
D2	E-1	*IC10	J-4	L2	H-5	Q5	F-4	*Q56	C-5	*Q78	C-6			TP3	D-3
*D4	D-5	*IC11	G-5	L3	G-2	Q6	F-5	*Q57	C-5	*Q79	D-6	RV1	F-6	TP4	C-2
*D5	C-4	*IC12	H-4	L4	F-2	Q7	G-4	*Q58	D-4	*Q80	D-4	RV3	B-6	TP5	C-2
D6	D-6	*IC13	C-6	L5	D-1	Q8	G-4	*Q59	D-5	*Q81	B-4	RV4	D-4	TP6	D-3
*D7	D-2	IC15	H-4	L6	E-2	Q9	G-4	Q61	D-5	*Q82	B-4	RV5	A-6	TP7	B-4
		IC16	J-2	L7	D-1	*Q10	E-2	*Q62	B-5	*Q83	C-4	RV6	B-2	TP8	B-4
E1	C-6	*IC17	H-2	L8	B-2	*Q11	D-2	*Q63	A-5	*Q84	C-5	RV7	A-4	TP9	A-5
		*IC18	H-3	L9	C-3	*Q12	E-3	*Q64	A-5	*Q85	C-4	RV8	C-3	TP10	B-3
FL1	F-4	*IC20	E-4	L10	C-3	*Q13	E-3	*Q65	A-2	*Q86	C-4	RV9	C-5	TP11	B-4
FL2	E-2	IC21	G-3	L11	A-1	*Q14	E-3	*Q66	A-3	*Q87	C-1	RV10	B-4		

## IE-47 IMAGE ENHANCER

### 注意：

1. 波形写真は、下記条件にて測定。

- 本機にCA-537を接続する。
- オートホワイトバランスをとった後にグレースケールチャートを撮影し、波形モニターにてビデオアウトの白レベルが100 IREになるようにレンズ絞りをセットする。
- SWITCH POSITION
 

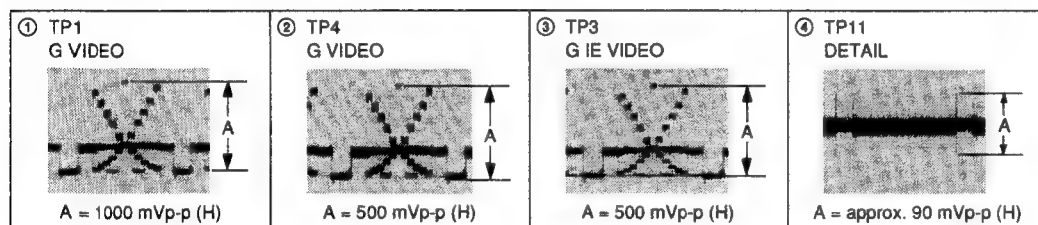
• OUTPUT	: CAM(DCC OFF)	• CLOCK	: OFF
• GAIN	: 0dB	• HYPER GAIN	: OFF
• WHITE BAL	: PRESET	• MATRIX	: OFF
• SHUTTER	: OFF	• ATW	: OFF
• ZEBRA MARKER	: OFF	• A IRIS MODE	: STD
• PHASE	: 0°		

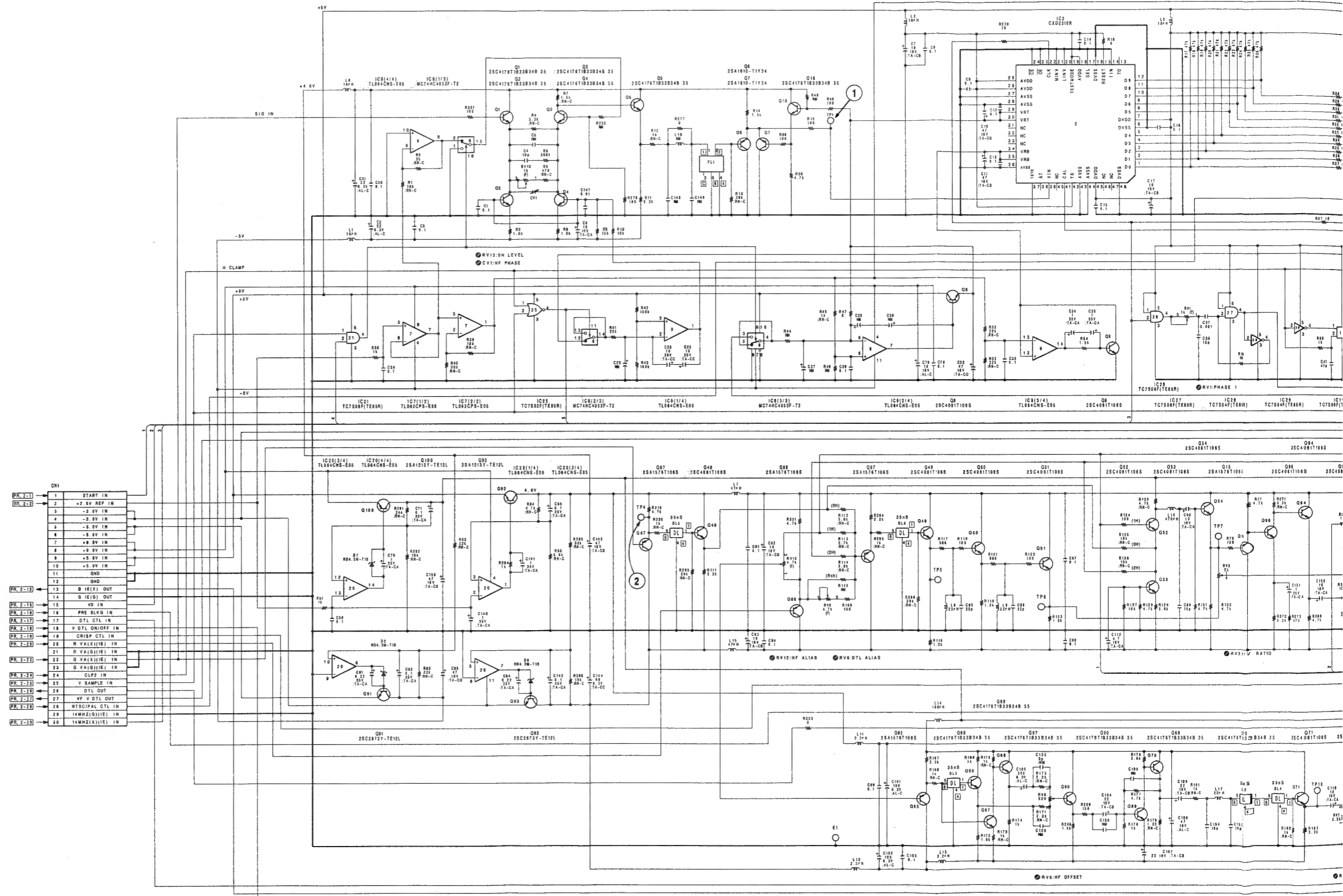
### NOTE:

1. All waveforms are measured in condition below.

- Connect the camera adaptor CA-537/537P to the camera.
- After the auto white balance adjustment is completed, shooting the grayscale chart, adjust the lens iris so that the white level at VIDEO OUT is 100 IRE (PAL: 700 mV) on the waveform monitor.
- SWITCH POSITION
 

• OUTPUT	: CAM(DCC OFF)	• CLOCK	: OFF
• GAIN	: 0dB	• HYPER GAIN	: OFF
• WHITE BAL	: PRESET	• MATRIX	: OFF
• SHUTTER	: OFF	• ATW	: OFF
• ZEBRA MARKER	: OFF	• A IRIS MODE	: STD
• PHASE	: 0°		





DXC-637 (J)  
DXC-637 (UC)  
DXC-637P (EK)

B-11

B-11

A

B

C

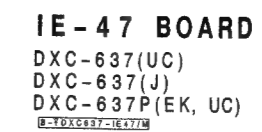
D

E

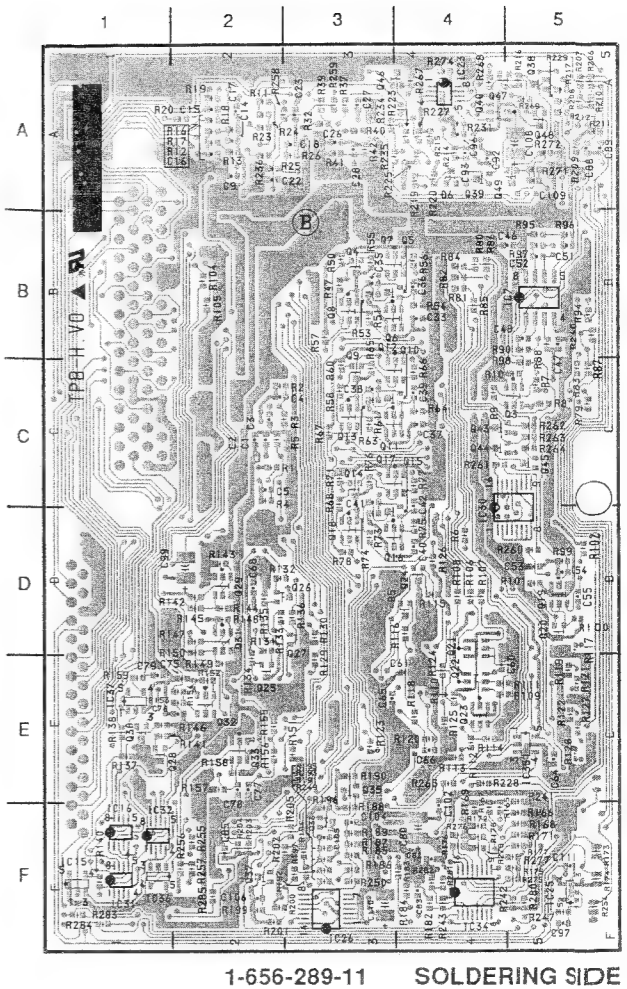
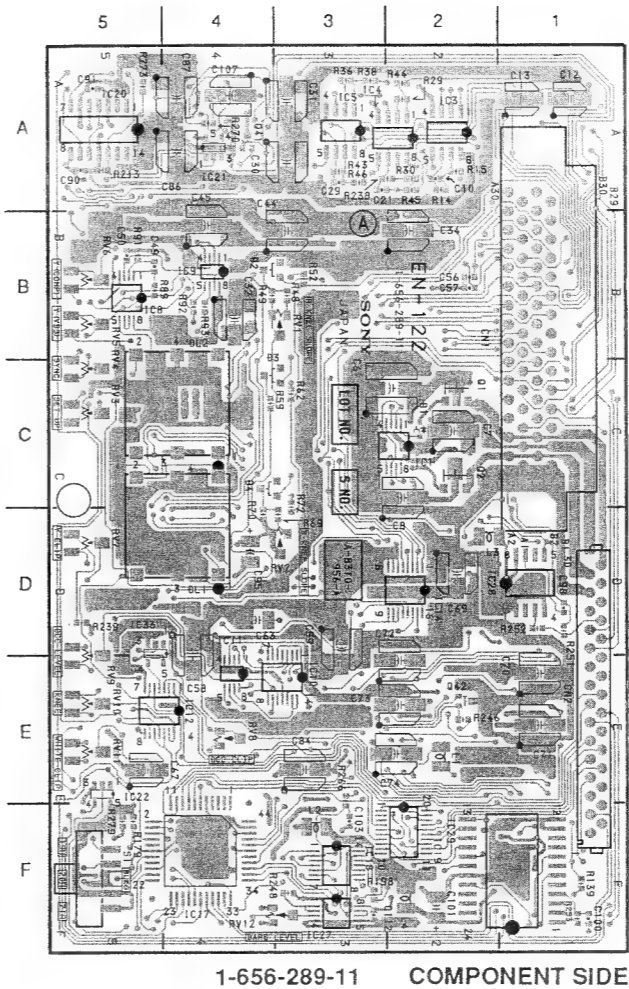
F

G

H



EN-122 BOARD



EN-122 (1-656-289-11)

•: B SIDE

CN1	B-2	IC10	E-3	*IC31	F-1	*Q7	B-3	*Q26	D-3	*Q46	A-3
CN2	E-1	IC11	D-4	*IC32	F-1	*Q8	B-3	*Q27	D-3	*Q47	A-4
		IC12	E-4	IC33	D-5	*Q9	B-3	*Q28	E-1	*Q48	A-5
DL1	D-4	IC14	D-2	*IC34	F-4	*Q10	B-4	*Q29	D-2	*Q49	A-4
DL2	B-4	*IC15	F-1	*IC35	E-5	*Q11	C-3	*Q30	E-1		
D1	C-2	*IC16	F-1	*IC36	F-1	*Q12	B-3	*Q31	D-2	RV3	C-5
D2	B-4	IC17	F-4	*IC37	E-1	*Q13	C-3	*Q32	E-2	RV4	B-5
D3	B-4	IC18	F-3			*Q14	C-3	*Q33	E-2	RV5	B-5
D4	C-4	IC19	F-2	L1	E-2	*Q15	C-4	*Q35	E-3	RV6	B-5
*D5	D-3	IC20	A-5	L2	F-3	*Q16	D-3	*Q36	F-3	RV7	D-5
*D6	A-4	IC21	A-4	L3	D-2	*Q17	C-3	*Q37	F-2	RV8	E-3
		IC22	E-5	L4	F-2	*Q18	D-3	*Q38	A-5	RV9	E-5
IC1	C-2	*IC23	A-4			*Q19	D-5	*Q39	A-4	RV10	E-5
IC3	A-2	*IC25	F-5	Q1	C-2	*Q20	D-5	*Q40	A-4	RV11	E-5
IC4	A-3	*IC26	F-3	Q2	C-2	*Q21	D-4	Q41	A-4	RV12	F-4
IC5	A-3	IC27	F-3	*Q3	C-5	*Q22	E-4	Q42	E-2		
*IC7	B-5	IC28	D-2	*Q4	B-3	*Q23	E-4	*Q43	C-4	S1	F-5
IC8	B-5	IC29	F-2	*Q5	B-4	*Q24	D-4	*Q44	C-4		
IC9	B-4	*IC30	D-4	*Q6	B-3	*Q25	E-2	*Q45	C-5		

## EN-122 ENCODER

### 注意：

1. 波形写真は、下記条件にて測定。

- 本機にCA-537を接続する。

#### • SWITCH POSITION

- |                      |                     |
|----------------------|---------------------|
| • OUTPUT : BARS      | • CLOCK : OFF       |
| • GAIN : 0dB         | • HYPER GAIN : OFF  |
| • WHITE BAL : PRESET | • MATRIX : OFF      |
| • SHUTTER : OFF      | • ATW : OFF         |
| • ZEBRA MARKER : OFF | • A IRIS MODE : STD |
| • PHASE : 0°         |                     |

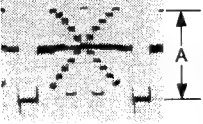
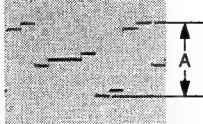
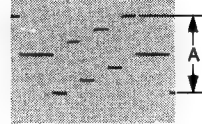
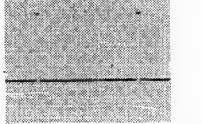
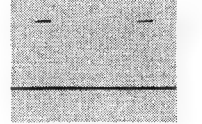
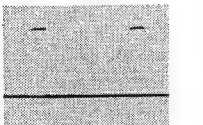
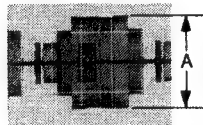
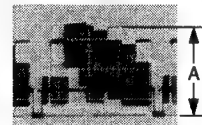

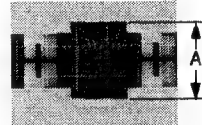


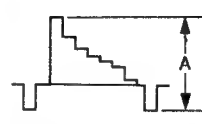
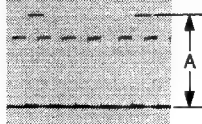

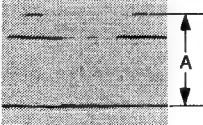
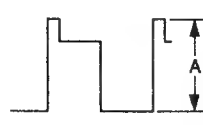
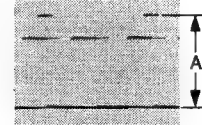
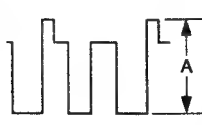
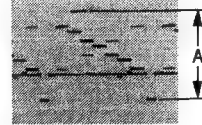

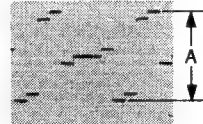
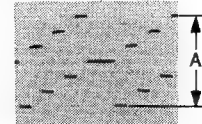
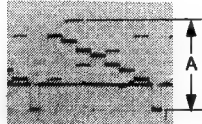
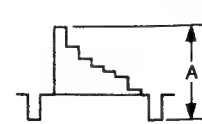
### NOTE:

1. All waveforms are measured in condition below.

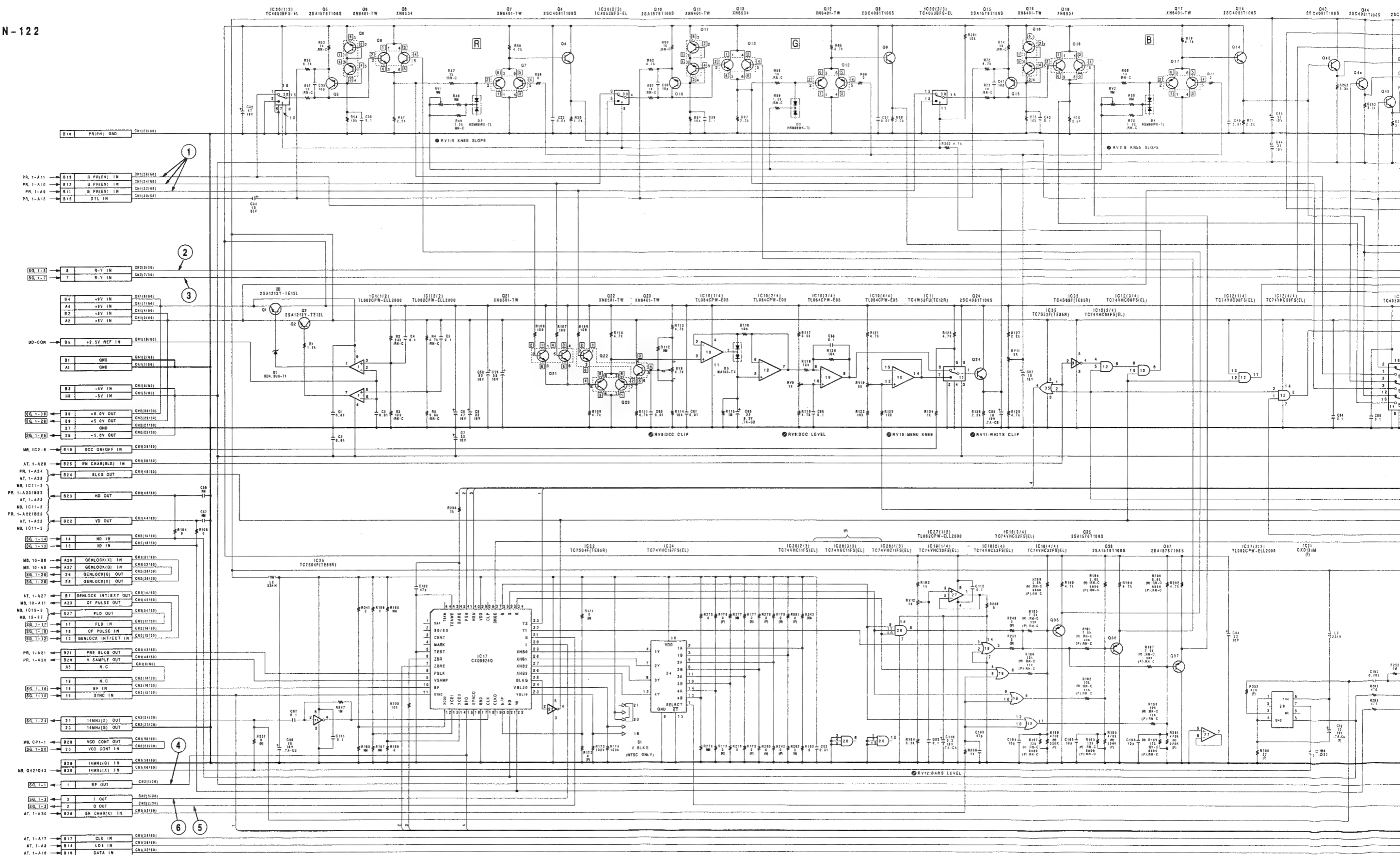
- Connect the camera adaptor CA-537/537P to the camera.

#### • SWITCH POSITION

- |                      |                     |
|----------------------|---------------------|
| • OUTPUT : BARS      | • CLOCK : OFF       |
| • GAIN : 0dB         | • HYPER GAIN : OFF  |
| • WHITE BAL : PRESET | • MATRIX : OFF      |
| • SHUTTER : OFF      | • ATW : OFF         |
| • ZEBRA MARKER : OFF | • A IRIS MODE : STD |
| • PHASE : 0°         |                     |

<b>① CN1-pin B11/B12/B13 B/G/R PR VIDEO</b>  A = 1.7 Vp-p (H)	<b>② CN2-pin B R-Y</b>  A = J:838 mVp-p UC:776 mVp-p EK:582 mVp-p	<b>③ CN2-pin 7 B-Y</b>  A = J:838 mVp-p UC:776 mVp-p EK:582 mVp-p	<b>④ CN2-pin 1 BF</b>  4.55 Vp-p (H)	<b>⑤ CN2-pin 2 Q/U VIDEO</b>  4.55 Vp-p (H)
<b>⑥ CN2-pin 3 I/V VIDEO</b>  4.55 Vp-p (H)	<b>⑦ CN1-pin A19 CHROMA</b>  A = 670 mVp-p (H)	<b>⑧ CN1-pin A21 VBS VIDEO (NTSC)</b>  A = 2.0 Vp-p (H)	<b>⑧ CN1-pin A21 VBS VIDEO (PAL)</b>  A = 2.0 Vp-p (H)	<b>⑨ CN2-pin 21 CHROMA</b>  A = 670 mVp-p (H)
<b>⑩ CN1-pin A24 SYNC</b>  5.0 Vp-p (H)	<b>⑪ CN1-pin A17 Y VIDEO (NTSC)</b>  A = 1.0 Vp-p (H)	<b>⑪ CN1-pin A17 Y VIDEO (PAL)</b>  A = 1.0 Vp-p (H)	<b>⑫ CN1-pin A10 B VIDEO (NTSC)</b>  A = 1.52 Vp-p (H)	<b>⑫ CN1-pin A10 B VIDEO (PAL)</b>  A = 1.52 Vp-p (H)
<b>⑬ CN1-pin A11 G VIDEO (NTSC)</b>  A = 1.52 Vp-p (H)	<b>⑬ CN1-pin A11 G VIDEO (PAL)</b>  A = 1.52 Vp-p (H)	<b>⑭ CN1-pin A12 R VIDEO (NTSC)</b>  A = 1.52 Vp-p (H)	<b>⑭ CN1-pin A12 R VIDEO (PAL)</b>  A = 1.52 Vp-p (H)	<b>⑮ CN1-pin A14 G/Y VIDEO (NTSC)</b>  A = 1.0 Vp-p (H)
<b>⑮ CN1-pin A14 G/Y VIDEO (PAL)</b>  A = 1.0 Vp-p (H)	<b>⑯ CN1-pin A15 R/R-Y VIDEO</b>  A = J: 756 mVp-p UC: 700 mVp-p EK: 525 mVp-p	<b>⑰ CN1-pin A13 B/B-Y VIDEO</b>  A = J: 756 mVp-p UC: 700 mVp-p EK: 525 mVp-p	<b>⑱ CN1-pin A30 VF VIDEO (NTSC)</b>  A = 1.0 Vp-p (H)	<b>⑱ CN1-pin A30 VF VIDEO (PAL)</b>  A = 1.0 Vp-p (H)

EN-122



DXC-637 (J)  
DXC-637 (UC)  
DXC-637P (EK)

**B - 15**

B - 15

A



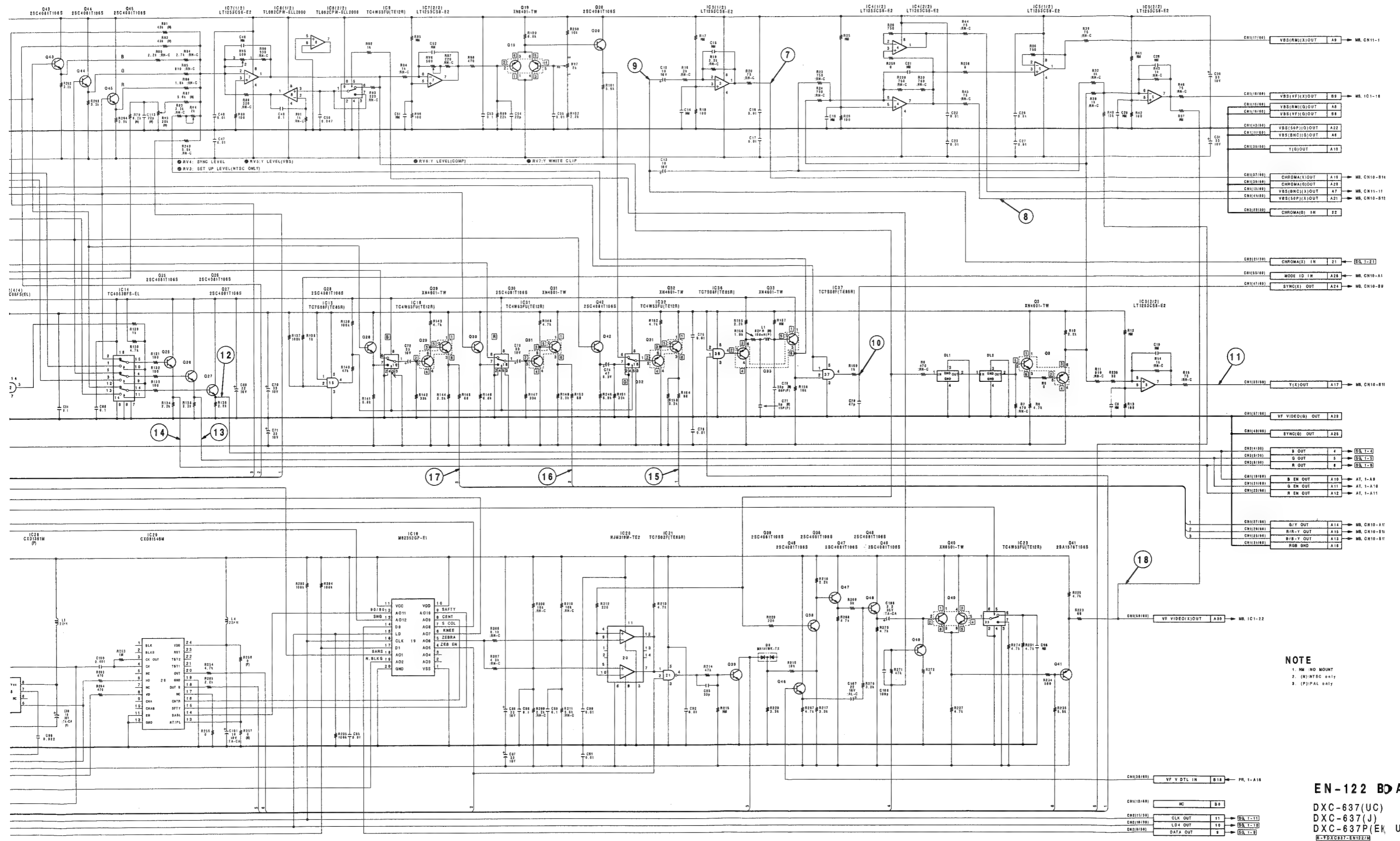
**C**

D

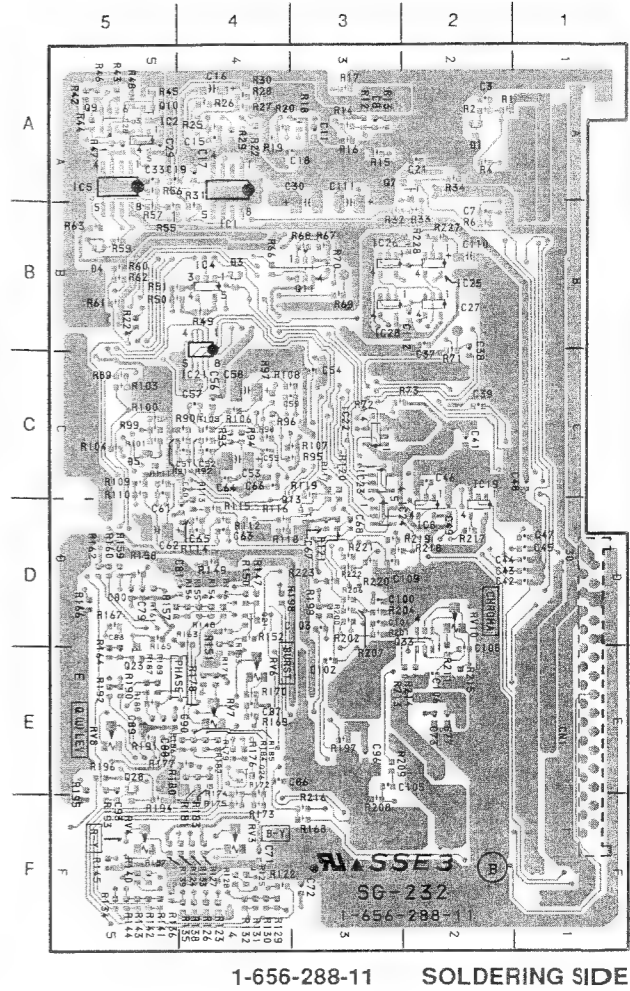
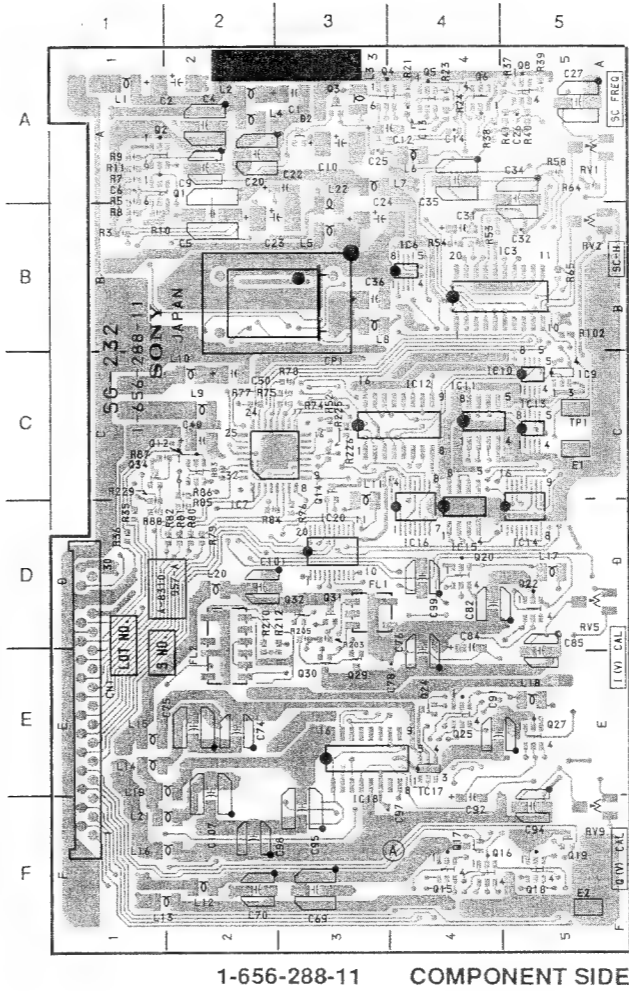
**E****F**

G

+



SG-232 BOARD



SG-232 (1-656-288-11)

+: B SIDE

CN1	E-1	*IC5	A-5	*IC25	B-2	L16	F-1	*Q13	D-3	*Q33	D-3
		IC6	B-4	*IC26	B-3	L17	D-5	Q14	C-3	Q34	C-1
CP1	C-3	IC7	D-2	*IC27	B-2	L18	E-5	Q15	F-4		
		*IC8	D-2	*IC28	B-3	L19	E-1	Q16	F-4	RV1	A-5
*D1	A-2	IC9	C-5			L20	D-2	Q17	F-4	RV2	B-5
D2	A-3	IC10	C-4	L1	A-1	L21	F-1	Q18	F-5	*RV3	F-4
*D3	B-4	IC11	C-4	L2	A-2	L22	A-3	Q19	F-5	*RV4	F-5
*D4	B-5	IC12	C-4	L3	A-3			Q20	D-4	RV5	D-5
*D5	C-5	IC13	C-5	L4	A-2	Q1	A-2	*Q21	D-4	*RV6	E-4
		IC14	D-5	L5	B-3	Q2	A-1	Q22	D-5	*RV7	E-4
E1	C-5	IC15	D-4	L6	A-4	Q3	A-3	*Q23	E-5	*RV8	E-5
E2	F-5	IC16	D-4	L7	A-4	Q4	A-4	Q24	E-4	RV9	F-5
		IC17	E-4	L8	B-3	Q5	A-4	Q25	E-4	*RV10	D-2
FL1	D-3	IC18	F-3	L9	C-2	Q6	A-4	*Q26	E-4		
FL2	E-2	*IC19	C-2	L10	C-2	*Q7	A-3	Q27	E-5	TP1	C-5
		IC20	D-3	L11	C-3	Q8	A-5	*Q28	E-5		
*IC1	B-4	*IC21	C-4	L12	F-2	*Q9	A-5	Q29	E-3		
*IC2	A-5	*IC22	C-3	L13	F-2	*Q10	A-5	Q30	E-3		
IC3	B-5	*IC23	C-3	L14	E-1	*Q11	B-3	Q31	D-3		
*IC4	B-4	*IC24	D-3	L15	E-1	Q12	C-1	Q32	D-3		

## SG-232 SYNC GENERATOR

注意:

1. 波形写真は、下記条件にて測定。

- 本機にCA-537を接続する。

### SWITCH POSITION

- OUTPUT : BARS
- GAIN : 0dB
- WHITE BAL : PRESET
- SHUTTER : OFF
- ZEBRA MARKER : OFF
- PHASE : 0°
- CLOCK : OFF
- HYPER GAIN : OFF
- MATRIX : OFF
- ATW : OFF
- A IRIS MODE : STD

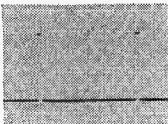
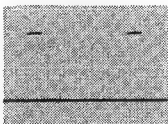
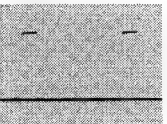
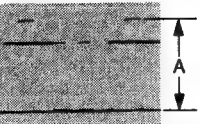
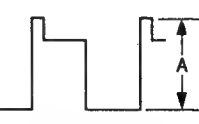

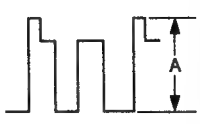
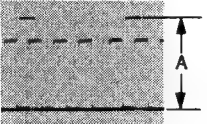

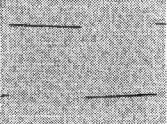
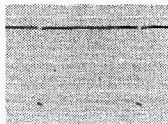
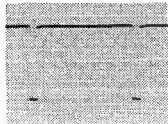
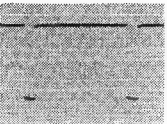
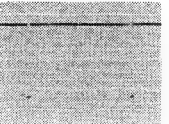

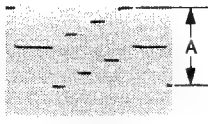
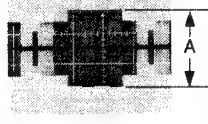
NOTE:

1. All waveforms are measured in condition below.

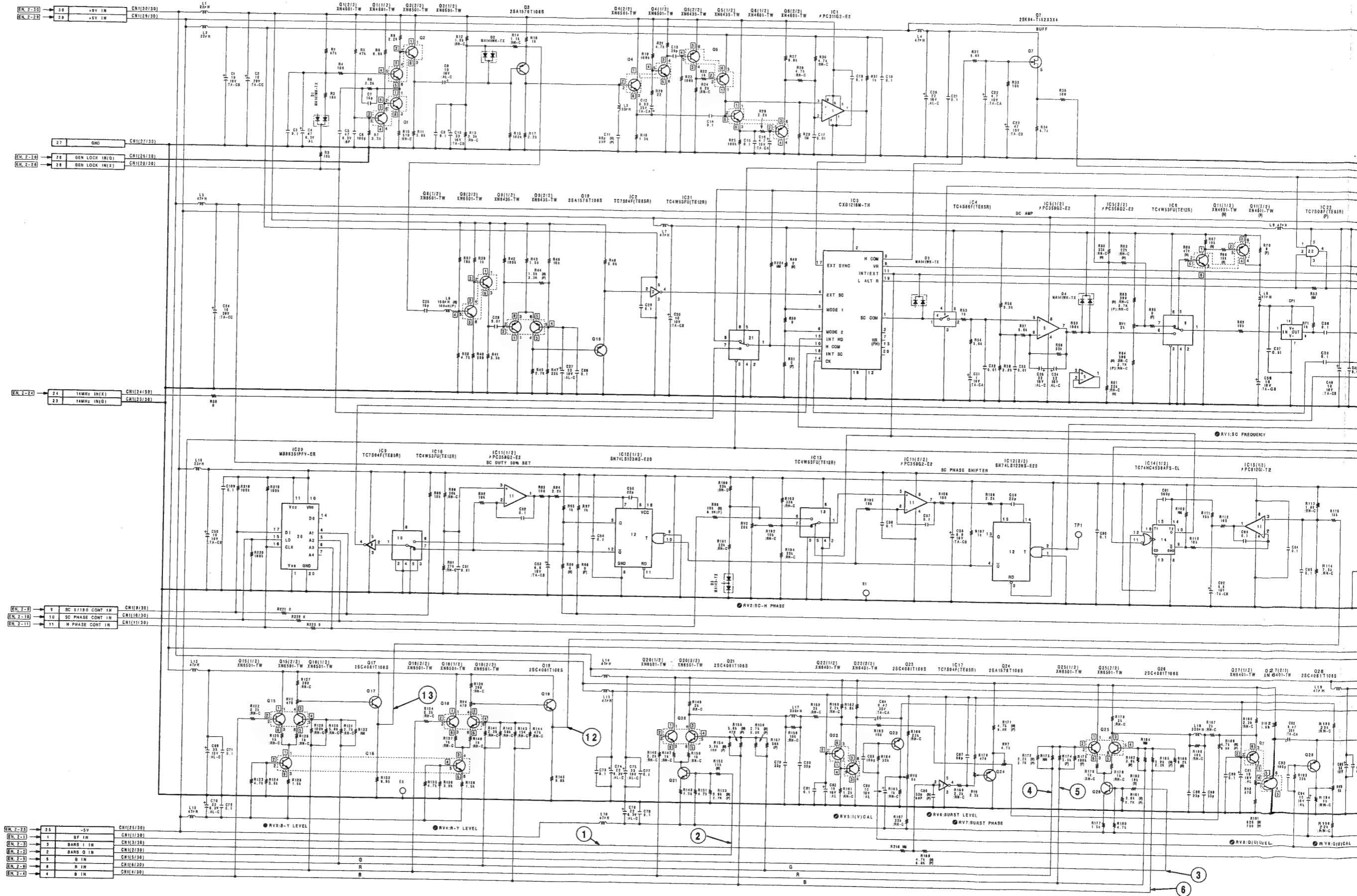
- Connect the camera adaptor CA-537/537P to the camera.

### SWITCH POSITION

- OUTPUT : BARS
- GAIN : 0dB
- WHITE BAL : PRESET
- SHUTTER : OFF
- ZEBRA MARKER : OFF
- PHASE : 0°
- CLOCK : OFF
- HYPER GAIN : OFF
- MATRIX : OFF
- ATW : OFF
- A IRIS MODE : STD

① CN1-pin1 BF  4.55 Vp-p (H)	② CN1-pin 3 I/V VIDEO  4.55 Vp-p (H)	③ CN1-pin 2 Q/U VIDEO  4.55 Vp-p (H)	④ CN1-pin 5 G VIDEO (NTSC)  A = 1.52 Vp-p (H)	④ CN1-pin 5 G VIDEO (PAL)  A = 1.52 Vp-p (H)
⑤ CN1-pin 6 R VIDEO (NTSC)  A = 1.52 Vp-p (H)	⑤ CN1-pin 6 R VIDEO (PAL)  A = 1.52 Vp-p (H)	⑥ CN1-pin 4 B VIDEO (NTSC)  A = 1.52 Vp-p (H)	⑥ CN1-pin 4 B VIDEO (PAL)  A = 1.52 Vp-p (H)	⑦ CN1-pin 17 FLD  4.84 Vp-p (V)
⑧ CN1-pin 16 BF  4.86 Vp-p (H)	⑨ CN1-pin 15 SYNC  4.88 Vp-p (H)	⑩ CN1-pin 14 HD  4.86 Vp-p (H)	⑪ CN1-pin 13 VD  4.92 Vp-p (H)	⑫ CN1-pin 8 R-Y  A = J:838 mVp-p UC:776 mVp-p EK:582 mVp-p
⑬ CN1-pin 7 B-Y  A = J:838 mVp-p UC:776 mVp-p EK:582 mVp-p	⑭ CN1-pin 21 CHROMA  A = 670 mVp-p			

**SG-232**

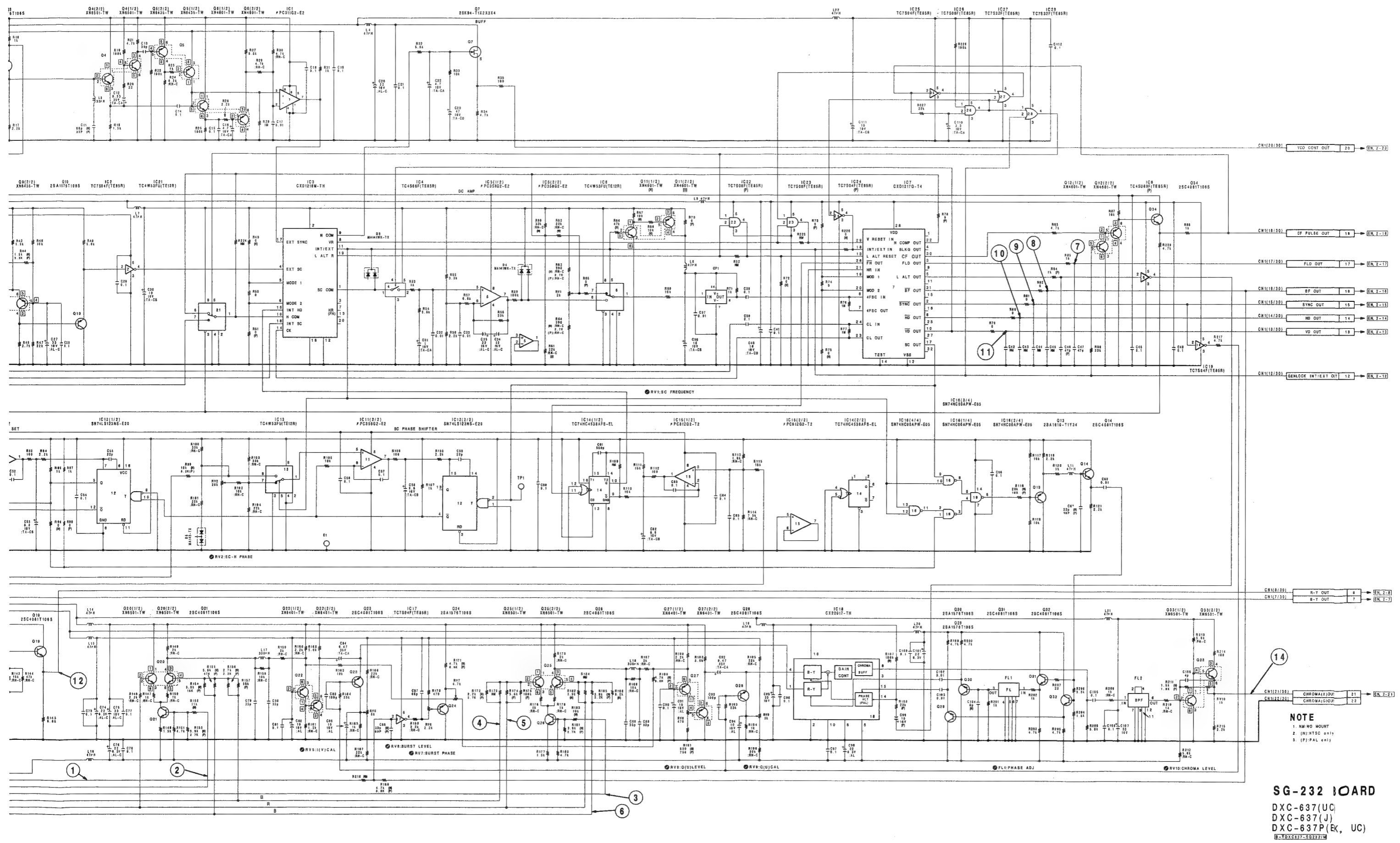


DXC-637 (J)  
DXC-637 (UC)  
DXC-637P (EK)

B - 19

**B - 19**

H



B-19

B-19

E

F

G

H

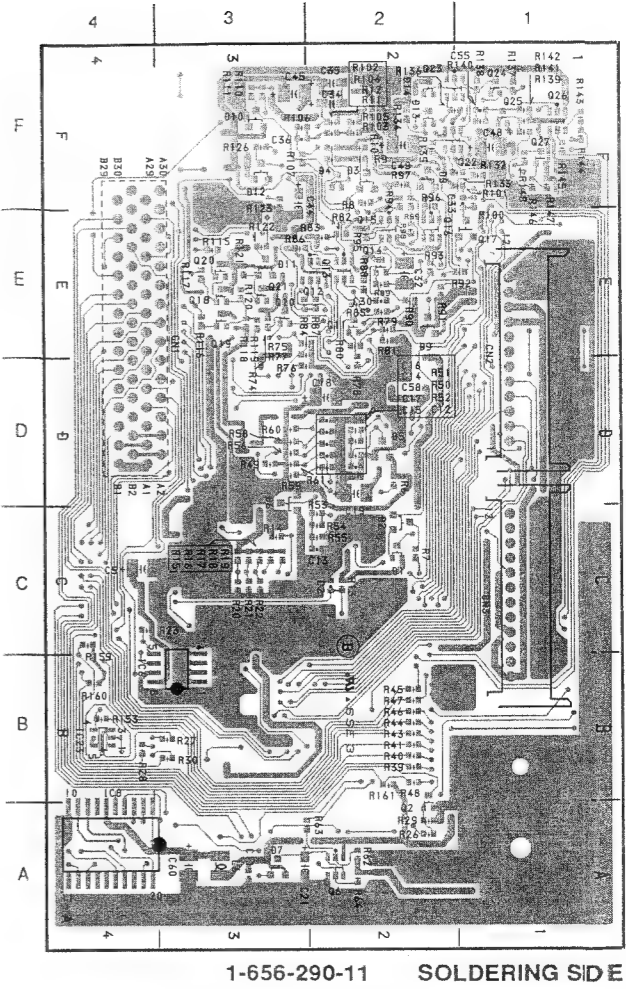
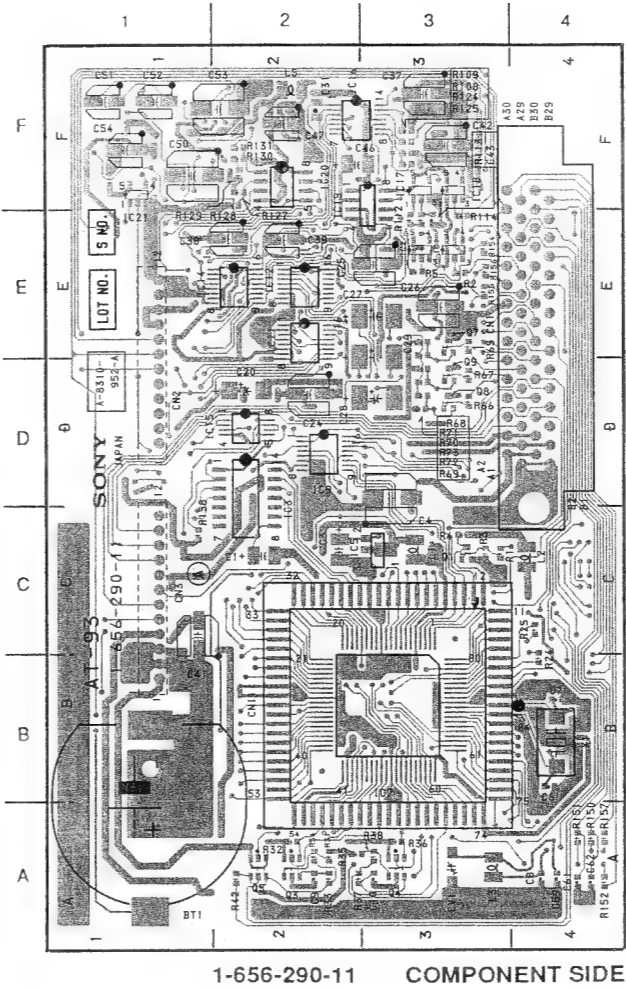
I

J

K

L

AT-93 BOARD



AT-93 (1-656-290-11)

\*: B SIDE

BT1	A-1	*D13	F-2	IC21	E-1	*Q13	E-2
		*D14	F-2			*Q14	E-2
CN1	E-3			L1	C-3	*Q15	E-2
*CN2	E-1	IC1	E-3	L2	C-4	*Q16	E-2
*CN3	C-1	IC2	E-3	L3	A-3	*Q17	E-1
		IC3	C-2	L5	F-2	*Q18	E-3
CV1	A-3	IC5	C-2	*L6	A-3	*Q19	E-3
		*IC6	B-4			*Q20	E-3
*D1	C-2	IC7	B-3	Q1	C-3	*Q21	E-3
*D2	C-2	*IC8	B-4	*Q2	A-2	*Q22	F-1
*D3	F-2	IC9	D-2	Q3	A-2	*Q23	F-2
*D4	F-2	IC11	E-2	Q4	A-3	*Q24	F-1
*D5	D-2	IC12	E-2	Q5	A-2	*Q25	F-1
*D6	D-3	IC14	E-1	*Q6	A-2	*Q26	F-1
*D7	A-3	IC15	D-1	Q7	E-3	*Q27	F-1
*D8	F-2	IC16	F-2	Q8	D-3		
*D9	E-2	IC17	F-3	Q9	D-3	X1	B-4
*D10	F-3	IC18	F-3	*Q10	E-3		
*D11	E-3	IC19	E-2	*Q11	E-2		
*D12	F-3	IC20	F-2	*Q12	E-2		

## AT-93 SYSTEM CONTROL

### 注意：






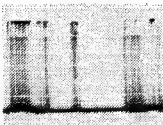
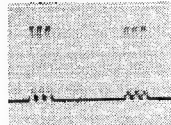
1. 波形写真は、下記条件にて測定。

- 本機にCA-537を接続する。
- オートホワイトバランスをとった後にグレースケールチャートを撮影し、波形モニターにてビデオアウトの白レベルが100 IREになるようにレンズ絞りをセットする。
- DISP CHGスイッチ/カメラ側面を押し下げて、ビューファインダー画面をステータス表示画面にします。
- SWITCH POSITION
  - OUTPUT : CAM(DCC OFF) • CLOCK : OFF
  - GAIN : 0dB • HYPER GAIN : OFF
  - WHITE BAL : PRESET • MATRIX : OFF
  - SHUTTER : OFF • ATW : OFF
  - ZEBRA MARKER : OFF • A IRIS MODE : STD
  - PHASE : 0°

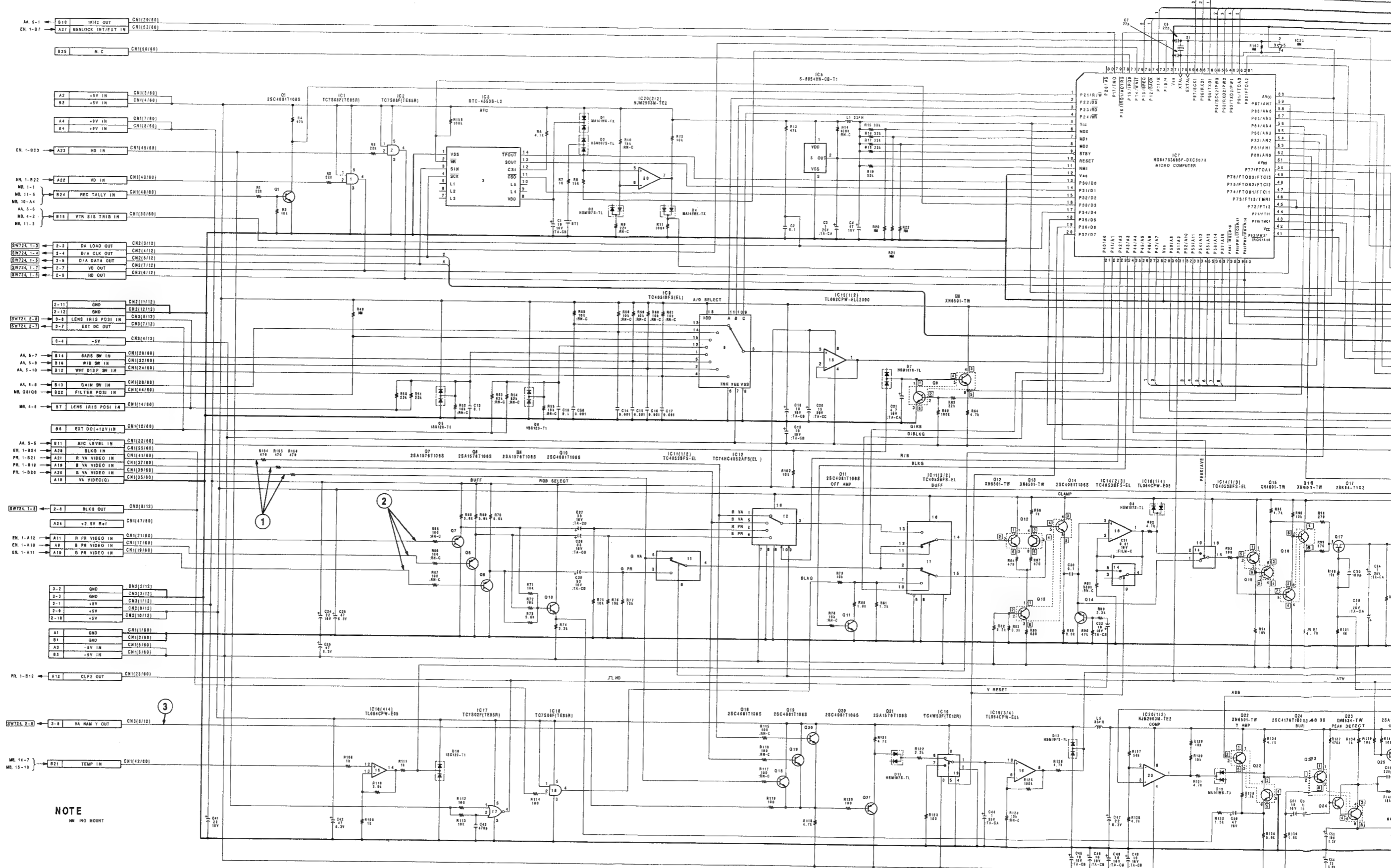
### NOTE:

1. All waveforms are measured in condition below.

- Connect the camera adaptor CA-537/537P to the camera.
- After the auto white balance adjustment is completed, shooting the grayscale chart, adjust the lens iris so that the white level at VIDEO OUT is 100 IRE (PAL: 700 mV) on the waveform monitor.
- Press the DISP CHG switch on the camera side panel so that the menu display appears on the viewfinder screen.
- SWITCH POSITION
  - OUTPUT : CAM(DCC OFF) • CLOCK : OFF
  - GAIN : 0dB • HYPER GAIN : OFF
  - WHITE BAL : PRESET • MATRIX : OFF
  - SHUTTER : OFF • ATW : OFF
  - ZEBRA MARKER : OFF • A IRIS MODE : STD
  - PHASE : 0°

<p>① CN1-pin A19/A20/A21 B/G/R VA VIDEO</p>  <p>A = 450 mVp-p (H)</p>	<p>② CN1-pin A9/A10/A11 B/G/R PR VIDEO</p>  <p>A = 1.48 Vp-p (H)</p>	<p>③ CN3-pin 6 VA NAM Y</p>  <p>A = 415 mVp-p (H)</p>	<p>④ CN1-pin A25 VF CHARACTER (BLK)</p>  <p>5.0 Vp-p (H) (DISP CHG)</p>	<p>⑤ CN1-pin A29 EN CHARACTER (BLK)</p>  <p>5.0 Vp-p (H) (CLOCK: ON)</p>
<p>⑥ CN1-pin A26 VF CHARACTER</p>  <p>4.94 Vp-p (H) (DISP CHG)</p>	<p>⑦ CN1-pin A30 EN CHARACTER</p>  <p>4.9 Vp-p (H) (CLOCK: ON)</p>			

AT-93



DXC-637 (J)  
DXC-637 (UC)  
DXC-637P (EK)

B-23

B-23

A

B

C

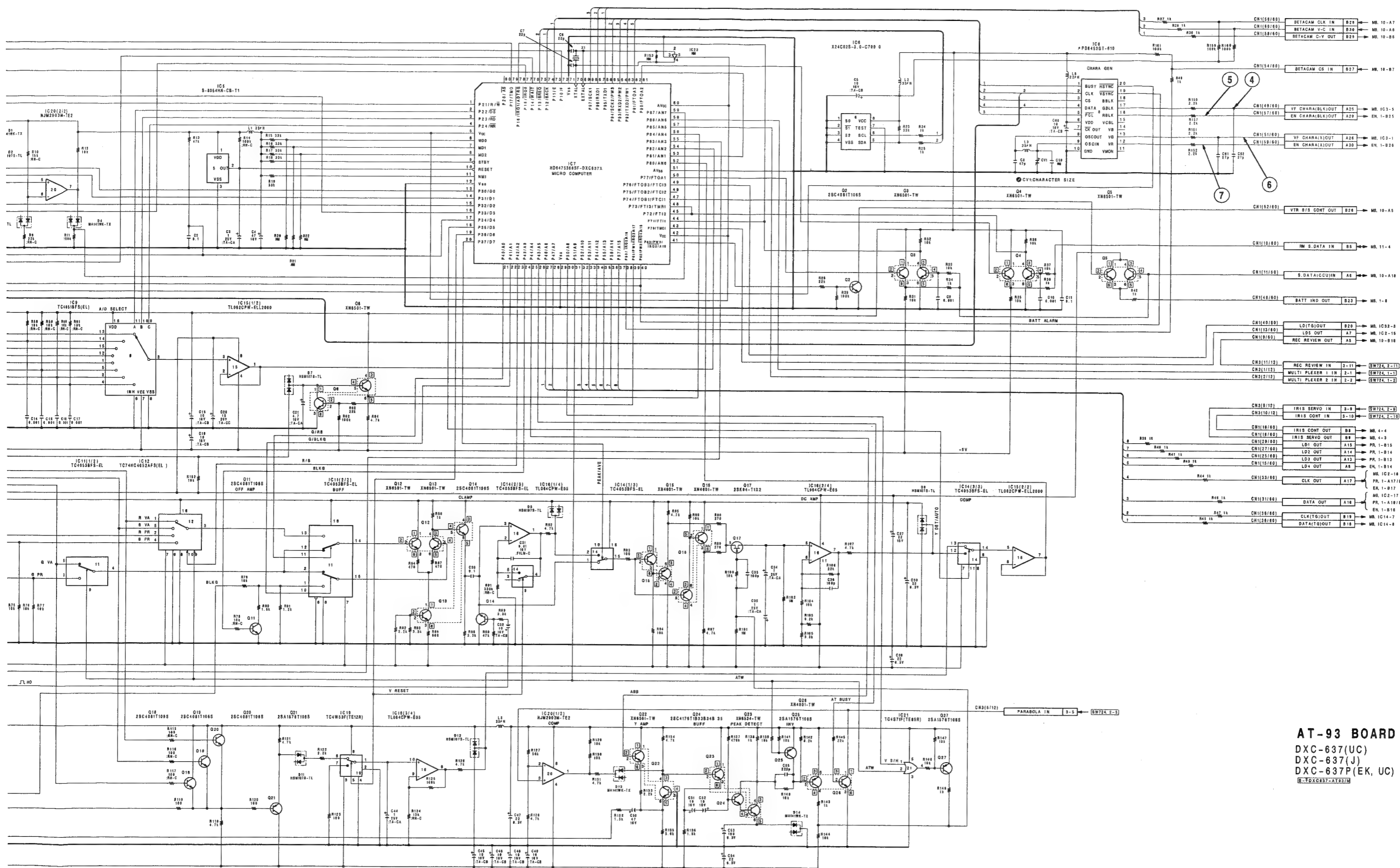
D

E

F

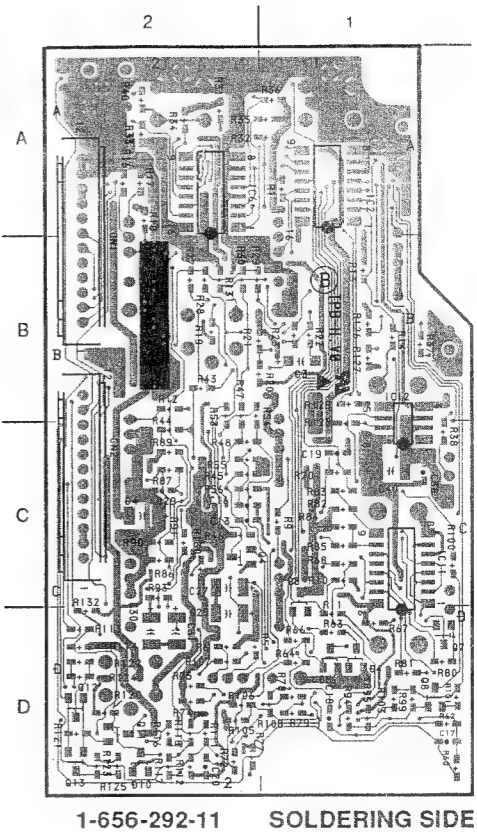
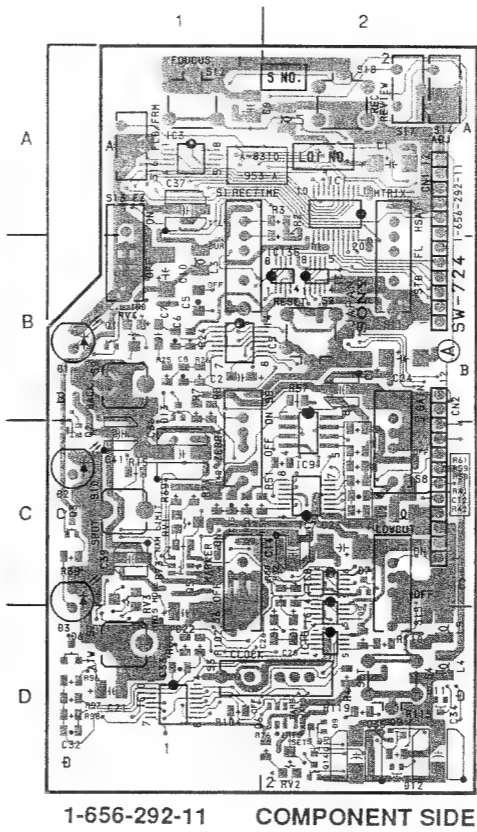
G

H



AT-93 BOARD  
DXC-637(UC)  
DXC-637(J)  
DXC-637P(EK, UC)  
B-YDC637-AT93M

SW-724 BOARD



SW-724 (1-656-292-11)

•: ■ SIDE

*CN1	A-2	*IC11	C-1	RV2	D-2
*CN2	C-2	*IC12	B-1	RV3	D-1
		IC13	B-2	RV4	B-1
D1	B-1	IC14	D-2		
D2	C-1	IC15	D-2	S1	A-1
D3	D-1			S2	B-2
*D4	D-1	L1	A-2	S3	D-1
*D5	D-1	L2	C-2	S4	D-2
D6	D-1	L3	B-1	S5	B-2
D7	C-2	L4	D-2	S6	D-1
*D8	C-1	L5	D-2	S7	D-1
D9	D-2			S8	C-2
*D10	D-2	Q1	B-1	S9	B-1
D11	D-2	Q2	C-1	S10	C-1
D12	D-2	Q3	C-1	S11	B-2
D13	B-1	*Q4	C-1	S12	A-1
		Q5	C-1	S13	A-1
IC1	A-2	Q6	D-1	S14	A-2
*IC2	A-1	*Q7	D-1	S15	D-2
IC3	A-1	*Q8	D-1	S16	A-1
IC4	B-2	Q9	D-2	S18	A-2
IC5	B-2	Q10	D-2		
*IC6	A-2	*Q11	D-2		
IC7	C-2	*Q12	D-2		
IC8	C-2	*Q13	D-2		
IC9	C-2				
IC10	D-1	RV1	C-1		

SW-724  
SWITCH PANEL

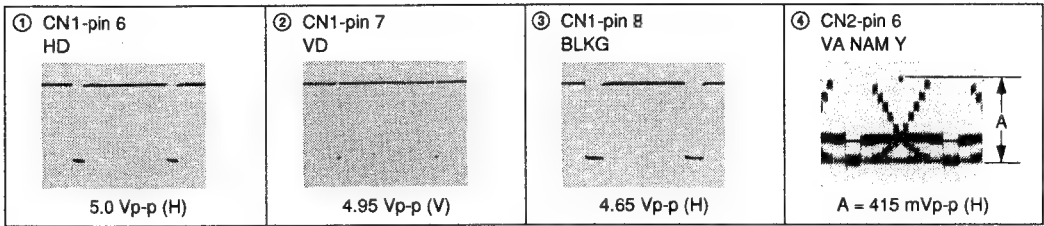
注意：  
1. 波形写真は、下記条件にて測定。

- 本機にCA-537を接続する。
- オートホワイトバランスをとった後にグレースケールチャートを撮影し、波形モニターにてビデオアウトの白レベルが100 IREになるようにレンズ絞りをセットする。
- SWITCH POSITION
  - OUTPUT : CAM(DCC OFF) • CLOCK : OFF
  - GAIN : 0dB • HYPER GAIN : OFF
  - WHITE BAL : PRESET • MATRIX : OFF
  - SHUTTER : OFF • ATW : OFF
  - ZEBRA MARKER : OFF • A IRIS MODE : STD
  - PHASE : 0°

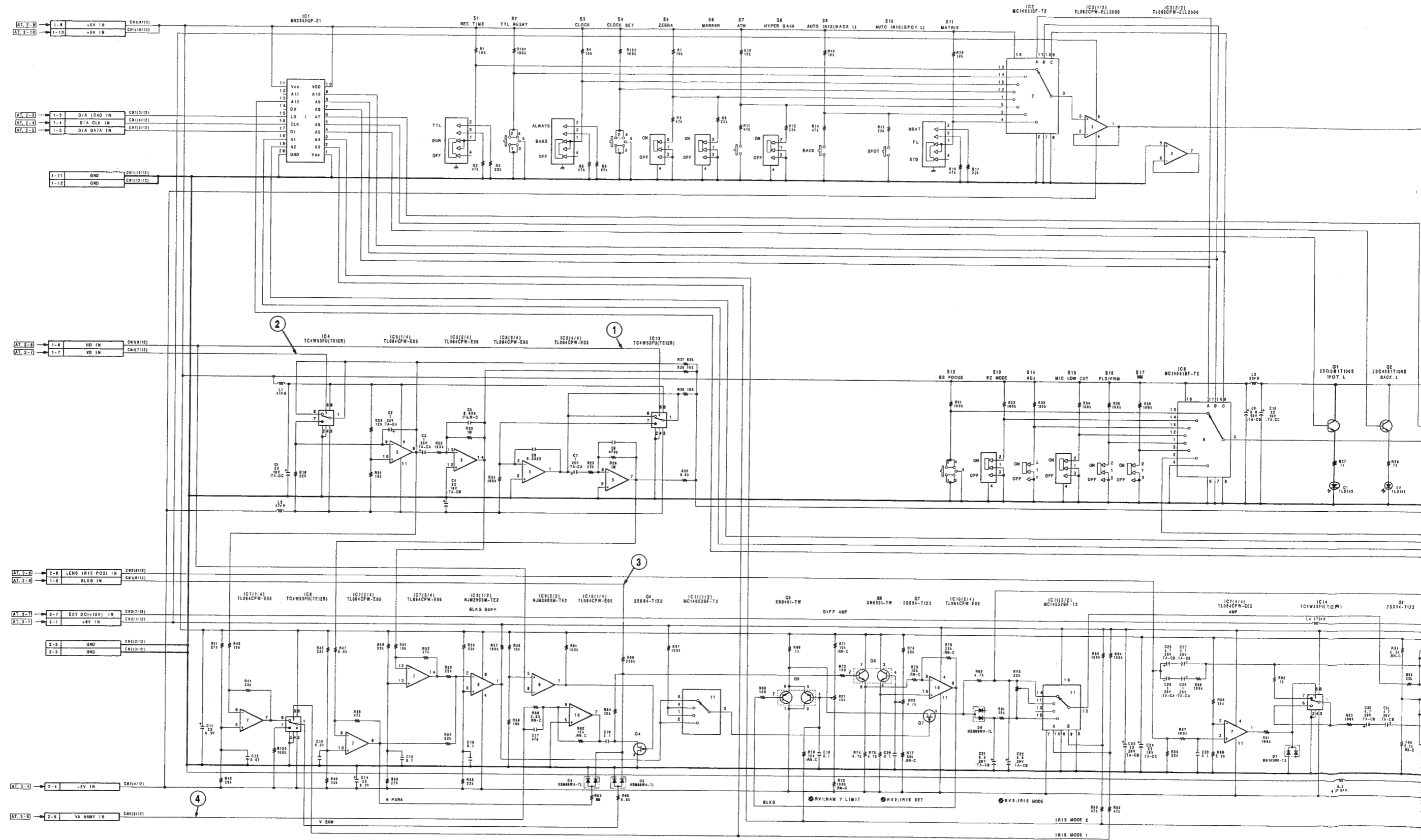
SW-724

NOTE:  
1. All waveforms are measured in condition below.

- Connect the camera adaptor CA-537/537P to the camera.
- After the auto white balance adjustment is completed, shooting the grayscale chart, adjust the lens iris so that the white level at VIDEO OUT is 100 IRE (PAL: 700 mV) on the waveform monitor.
- SWITCH POSITION
  - OUTPUT : CAM(DCC OFF) • CLOCK : OFF
  - GAIN : 0dB • HYPER GAIN : OFF
  - WHITE BAL : PRESET • MATRIX : OFF
  - SHUTTER : OFF • ATW : OFF
  - ZEBRA MARKER : OFF • A IRIS MODE : STD
  - PHASE : 0°



**SW-724**



DXC-637 (J)  
DXC-637 (UC)  
DXC-637P (EK)

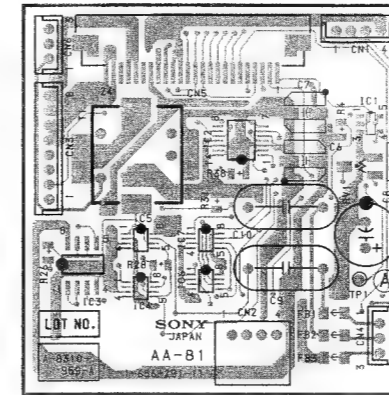
B - 27

B - 27

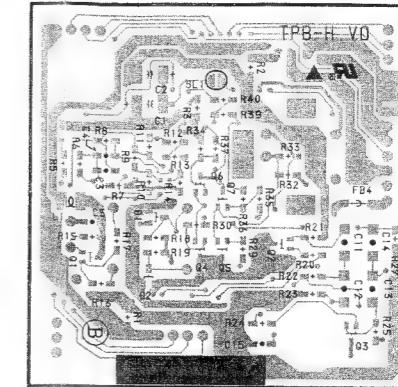


**SW-724 BOARD**  
DXC-637(UC)  
DXC-637(J)  
DXC-637P(EK, UC)  
**B-VDXC637-SW724M**

# AA-81 BOARD



1-656-291-11 COMPONENT SIDE



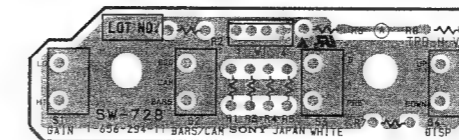
1-656-291-11 SOLDERING SIDE

AA-81 (1-656-291-11)

\*: B SIDE

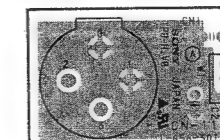
CN1	A-2	*D1	B-2	IC1	A-2	*L1	B-2	*Q6	A-2	T1	A-1
CN2	B-2	*D2	B-2	IC2	A-2			*Q7	A-2		
CN3	A-1			IC3	B-1	*Q1	B-2				
CN4	B-2	FB1	B-2	IC4	B-1	*Q2	B-1	RV1	B-2		
CN5	A-1	FB2	B-2	IC5	B-1	*Q3	B-1				
CN6	A-1	FB3	B-2	IC6	B-1	*Q4	B-2	TP1	B-2		
		*FB4	B-1	IC7	B-1	*Q5	B-2				

# SW-728 BOARD



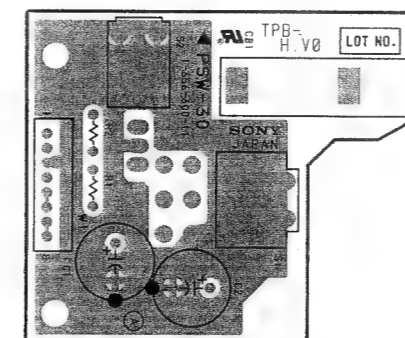
1-656-294-11 COMPONENT SIDE

# CN-1106 BOARD



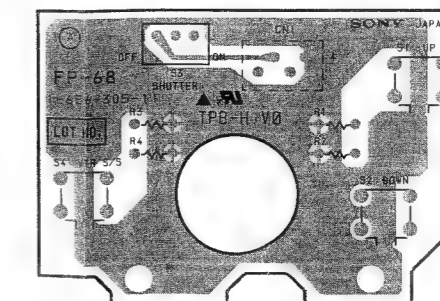
1-656-301-11 COMPONENT SIDE

# PSW-30 BOARD



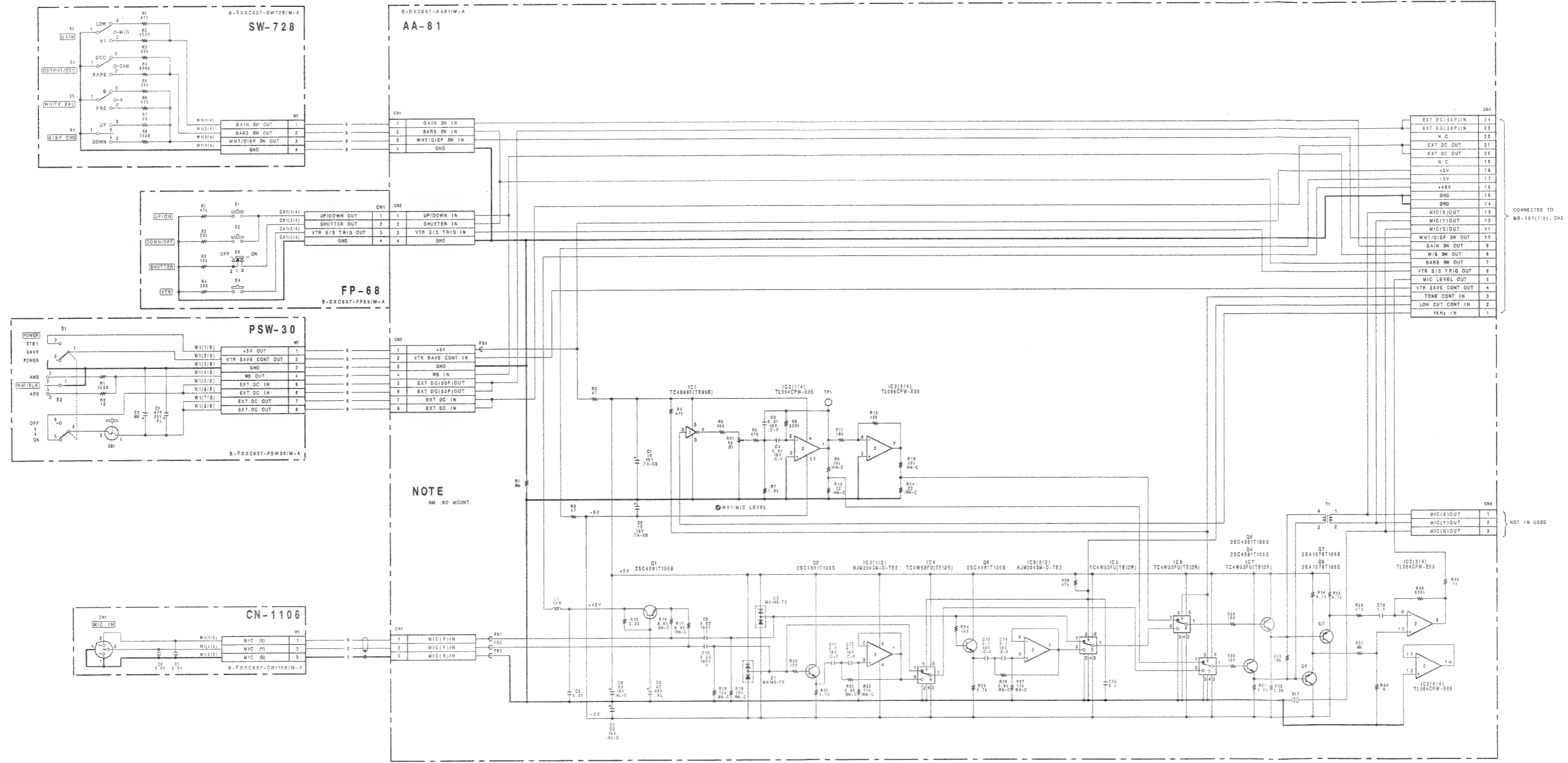
1-656-300-11 COMPONENT SIDE

# FP-68 BOARD



1-656-305-11 COMPONENT SIDE

AA-81  
CN-1106  
FP-68  
PSW-30  
SW-728

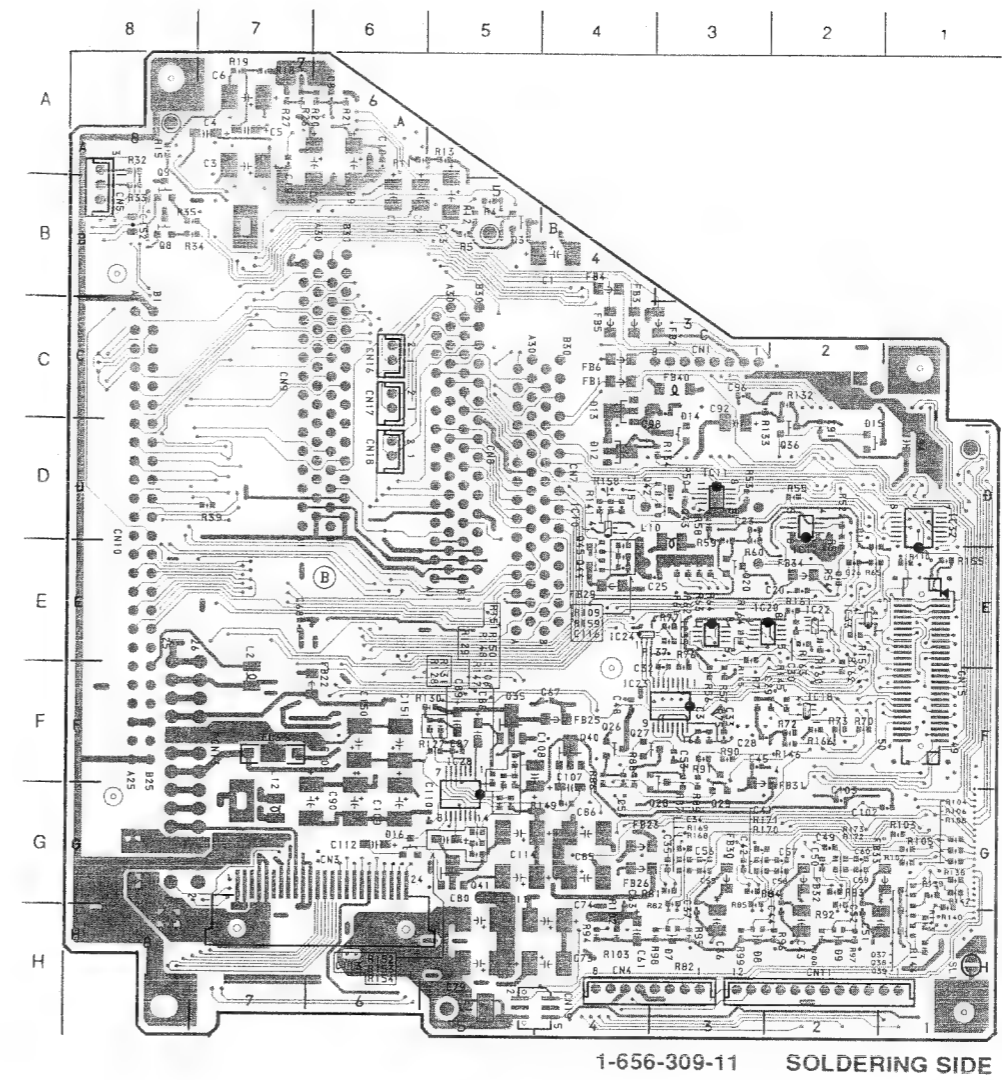
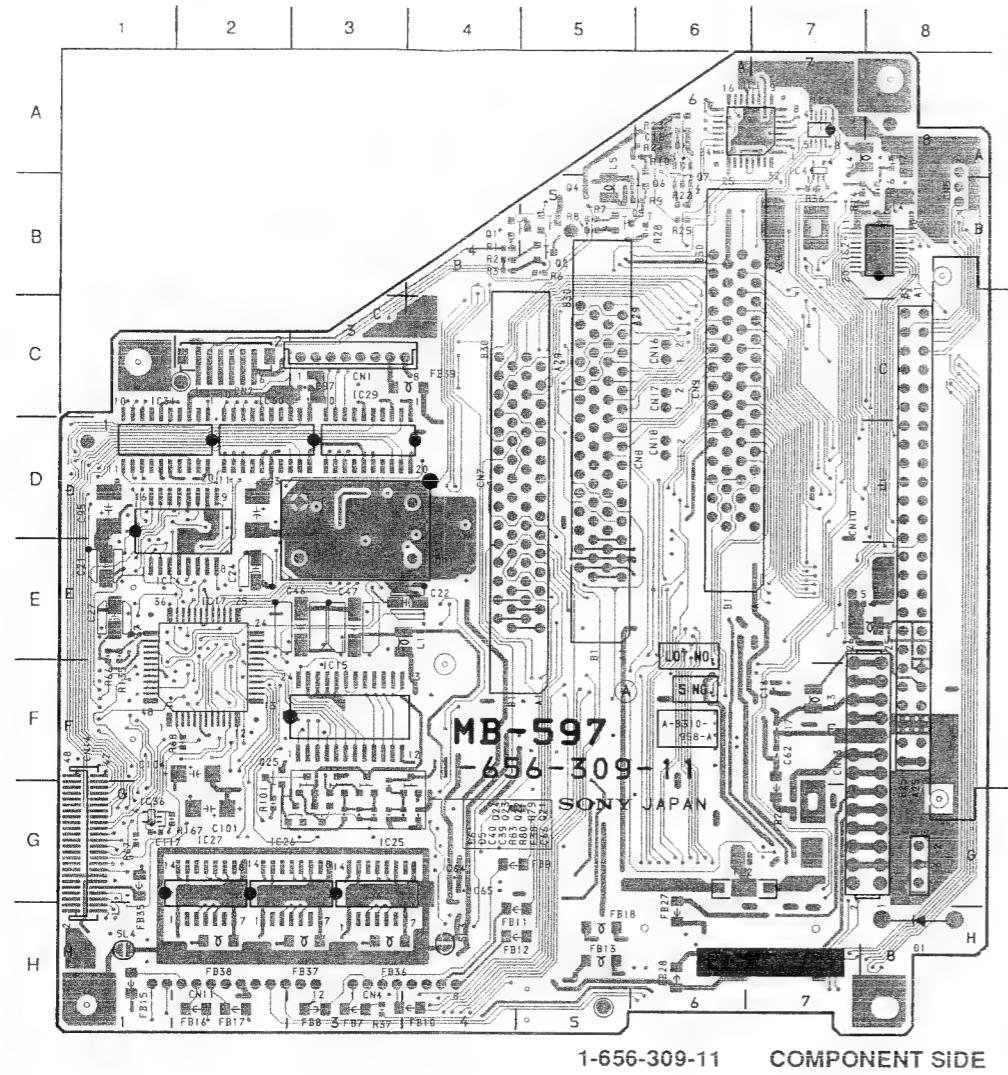


AA-81 BOARD  
FP-68 BOARD  
PSW-30 BOARD  
SW-728 BOARD  
CN-1106 BOARD  
DXC-637(UC)  
DXC-637(J)  
DXC-637P(EK, UC)  
A-DXC637-AA81/M  
B-DXC637-AA81/M-A  
C-DXC637-FP68/M-A  
D-DXC637-FP68/M-A  
E-DXC637-SW728/M-A  
F-DXC637-SW728/M-A  
G-DXC637-CN1106/M-A

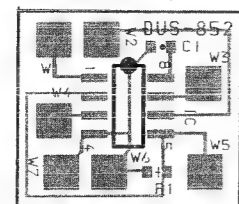
DXC-637 (J)  
DXC-637 (UC)  
DXC-637P (EK)

MB-597 BOARD

10001-10100 DXC-637 (UC)  
30001-30050 DXC-637 (J)  
40001-40150 DXC-637P (EK, UC)

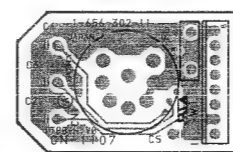


DUS-852 BOARD



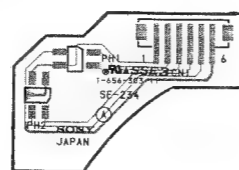
COMPONENT SIDE

CN-1107 BOARD



1-656-302-11 COMPONENT SIDE

SE-234 BOARD



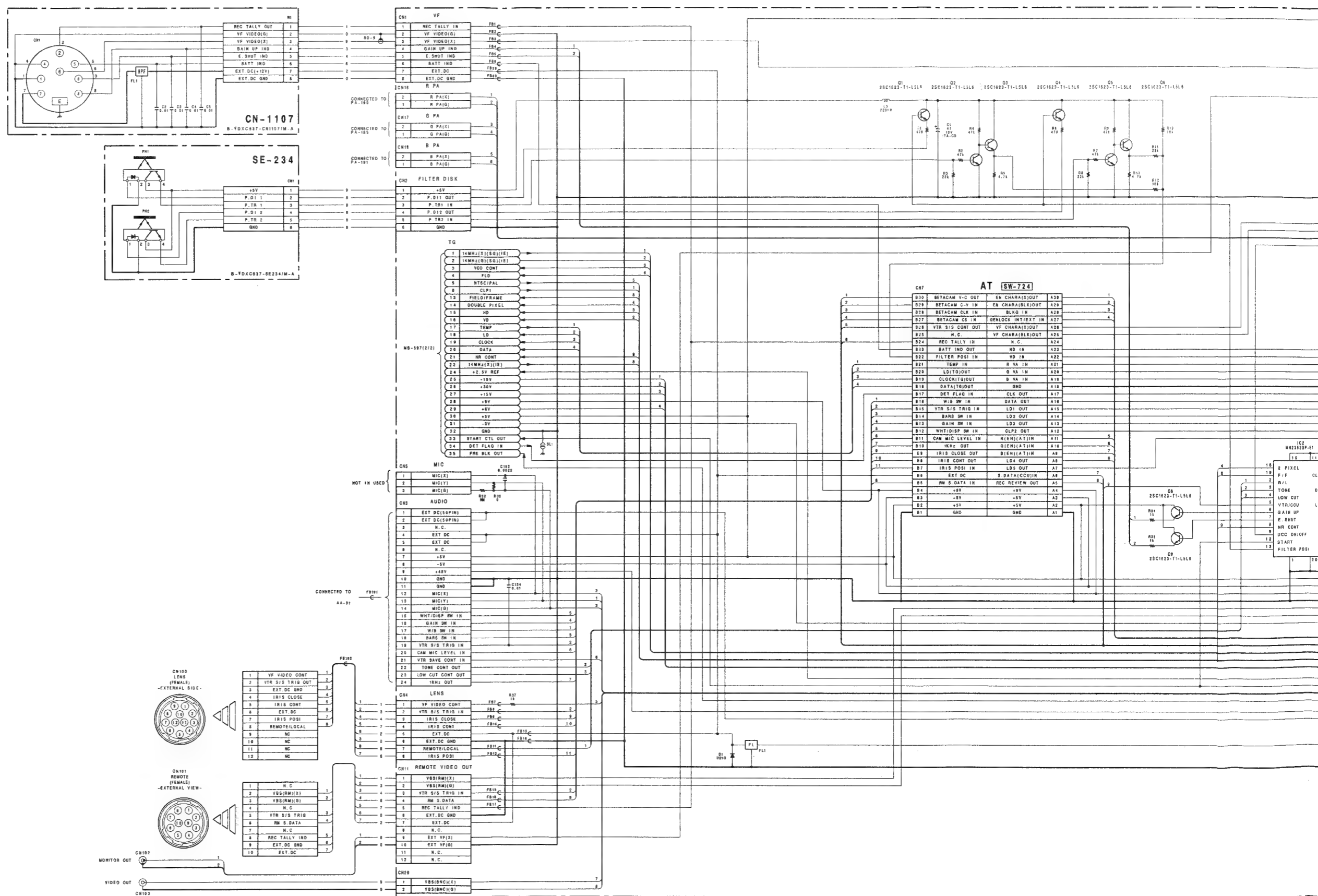
1-656-303-11 COMPONENT SIDE

MB-597 (1-656-309-11)

\*: B SIDE

CN1	C-3	D1	H-8	FB8	H-3	*FB33	G-2	IC17	E-2	L4	A-7	*Q26	F-4
CN2	C-2	D5	G-4	FB9	G-5	FB35	H-1	*IC18	F-2	L5	B-5	*Q27	F-4
*CN3	G-6	D6	G-4	FB10	H-4	FB36	H-3	*IC20	E-3	*L10	D-4	*Q28	G-3
*CN4	H-4	*D7	E-3	FB11	G-5	FB37	H-3	*IC22	E-2	L11	E-4	*Q29	G-3
*CN5	B-8	*D8	H-3	FB12	H-5	FB38	H-2	*IC23	F-4	*L12	F-7	*Q35	F-5
CN7	D-4	*D9	H-2	FB13	H-5	FB39	G-4	*IC24	E-4			*Q36	D-2
CN8	D-6	*D12	D-4	FB15	H-1	*FB40	C-3	IC25	G-3	Q1	B-4	*Q37	H-2
CN9	C-6	*D13	C-4	FB16	H-2			IC26	G-2	Q2	B-5	*Q38	H-2
CN10	D-7	*D14	C-3	FB17	H-2	FL1	G-8	IC27	G-2	*Q3	B-5	*Q39	H-2
*CN11	H-2	*D15	C-2	FB18	H-5	FL2	G-6	*IC28	F-5	Q4	B-5	*Q40	F-4
CN13	F-7	*D16	G-6	*FB22	F-6	*FL3	F-7	IC29	C-3	Q5	B-5	*Q41	G-5
CN14	F-1			*FB23	G-4			IC30	C-2	Q6	B-6	*Q42	D-4
*CN15	F-1	*E1	H-5	FB24	G-7	IC1	A-6	IC31	C-1	Q7	B-6	*Q43	D-3
*CN16	C-6			*FB25	F-4	IC2	B-7	*IC32	D-1	*Q8	B-8	*Q44	E-4
*CN17	C-6	*FB1	C-4	*FB26	G-4	IC3	A-7	*IC33	E-2	*Q9	A-8	*Q45	D-5
*CN18	D-6	*FB2	C-3	FB27	H-6	IC4	A-7	*IC35	E-3	*Q20	E-3		
*CN19	H-4	*FB3	B-4	FB28	H-6	*IC10	D-4	IC36	G-1	Q21	G-5		
*CN20	E-7	*FB4	B-4	*FB29	E-4	*IC11	D-3			Q22	G-5		
		*FB5	C-4	*FB30	G-3	*IC12	E-2	L1	E-7	Q23	G-4		
CP1	E-4	*FB6	C-4	*FB31	F-2	IC14	E-1	*L2	E-7	Q24	G-4		
		FB7	H-3	*FB32	G-2	IC15	F-3	L3	E-7	Q25	F-2		

FRAME(1/2)



DXC-637 (J)  
DXC-637 (UC)  
DXC-637P (EK)

**B - 31**

**B - 31**

A

**B**

C

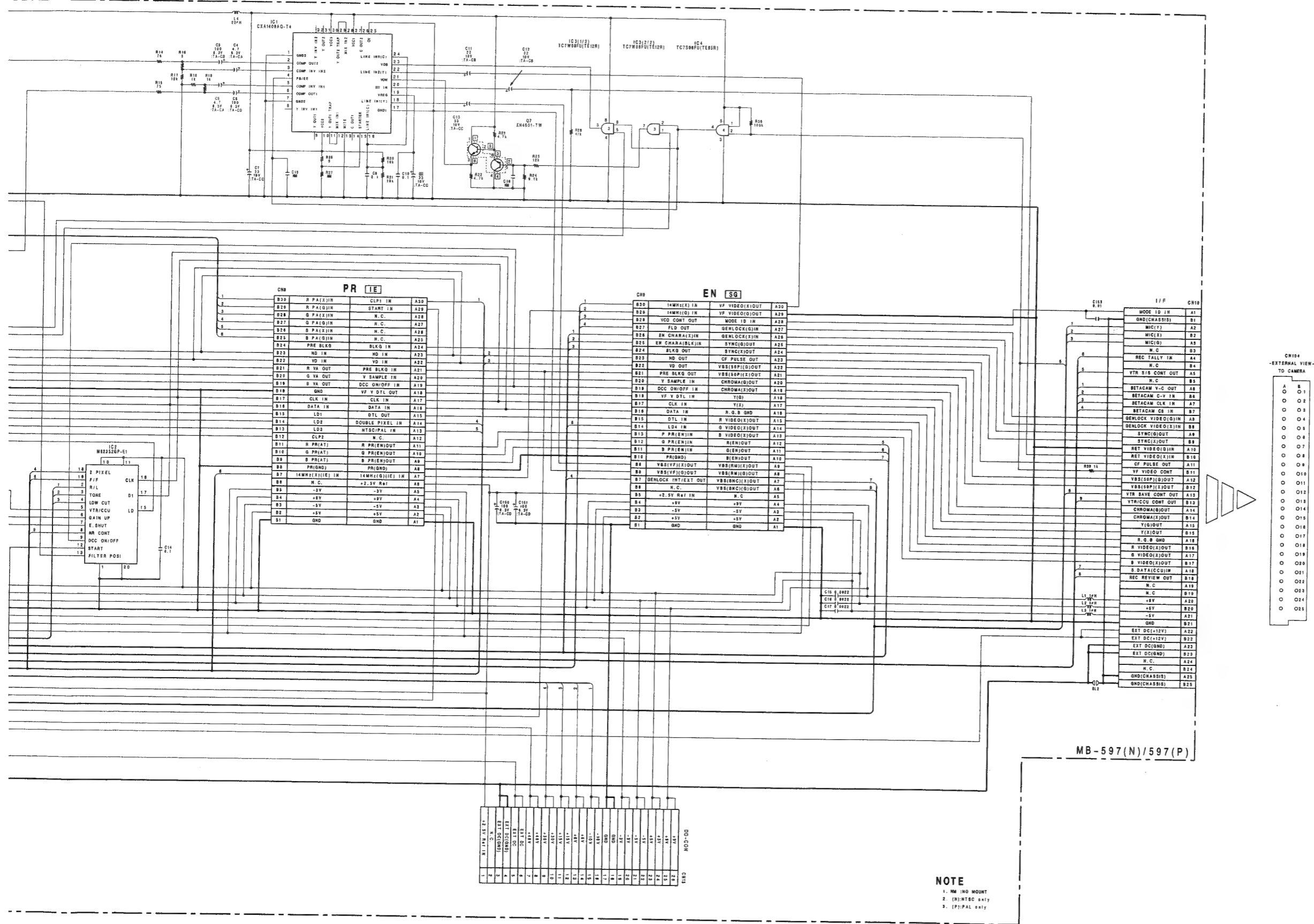
D

**E**

**F**

**G**

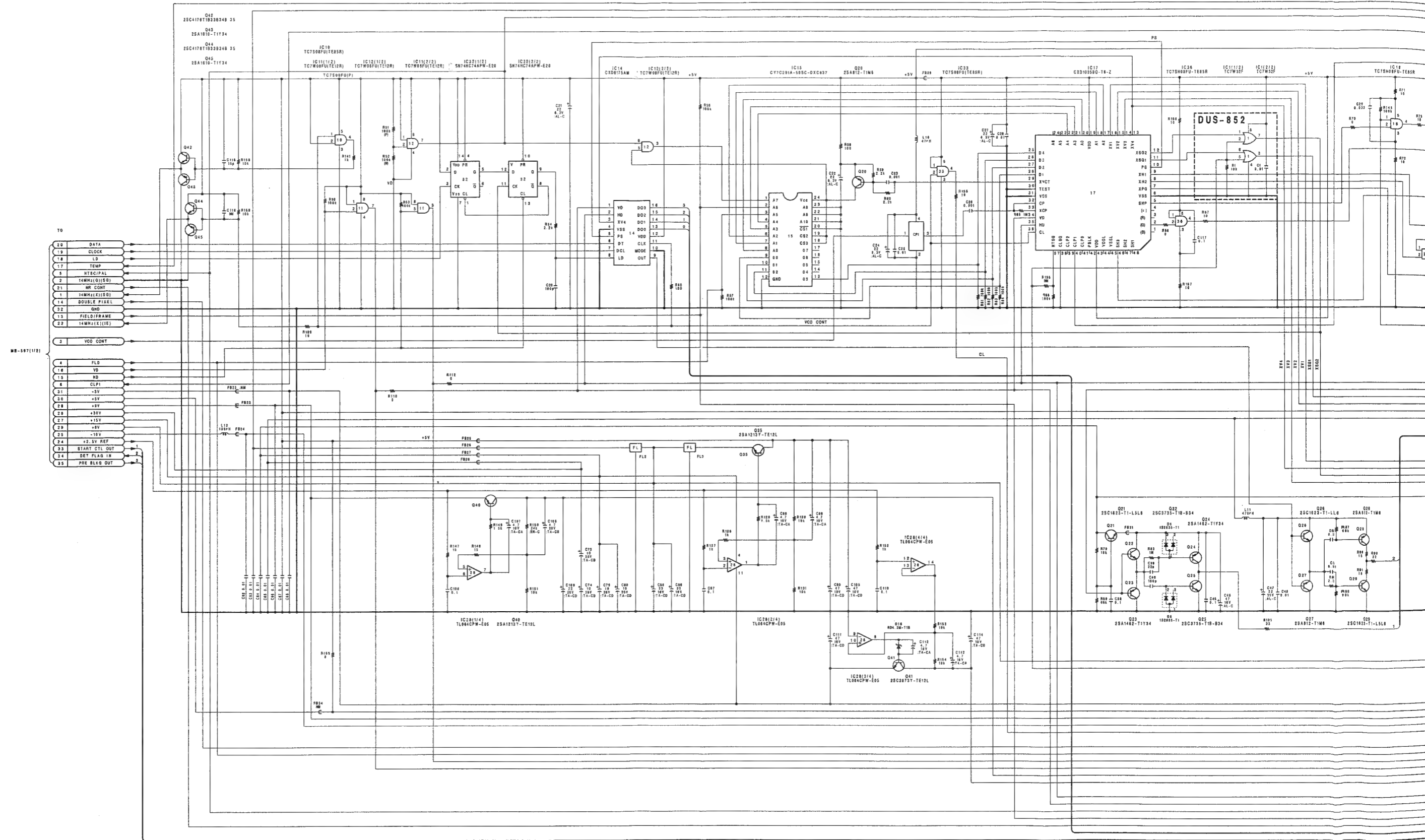
H



FRAME  
MB-597(N) BOARD(1/2)  
MB-597(P) BOARD(1/2)  
CN-1106 BOARD  
CN-1107 BOARD  
SE-234 BOARD  
DXC-637(UC)  
DXC-637(J)  
DXC-637P(EK, UC)  
A-YOXCST-FRAMEIN  
B-YOXCST-MB597(N-J)  
C-YOXCST-CN1107(N-J)  
D-YOXCST-SE234(N-J)

DXC-637 (J, UC)  
DXC-637F (E K)

FRAME(2/2)



DXC-637 (J)  
DXC-637 (UC)  
DXC-637P (EK)

B-33

B-33

A

B

C

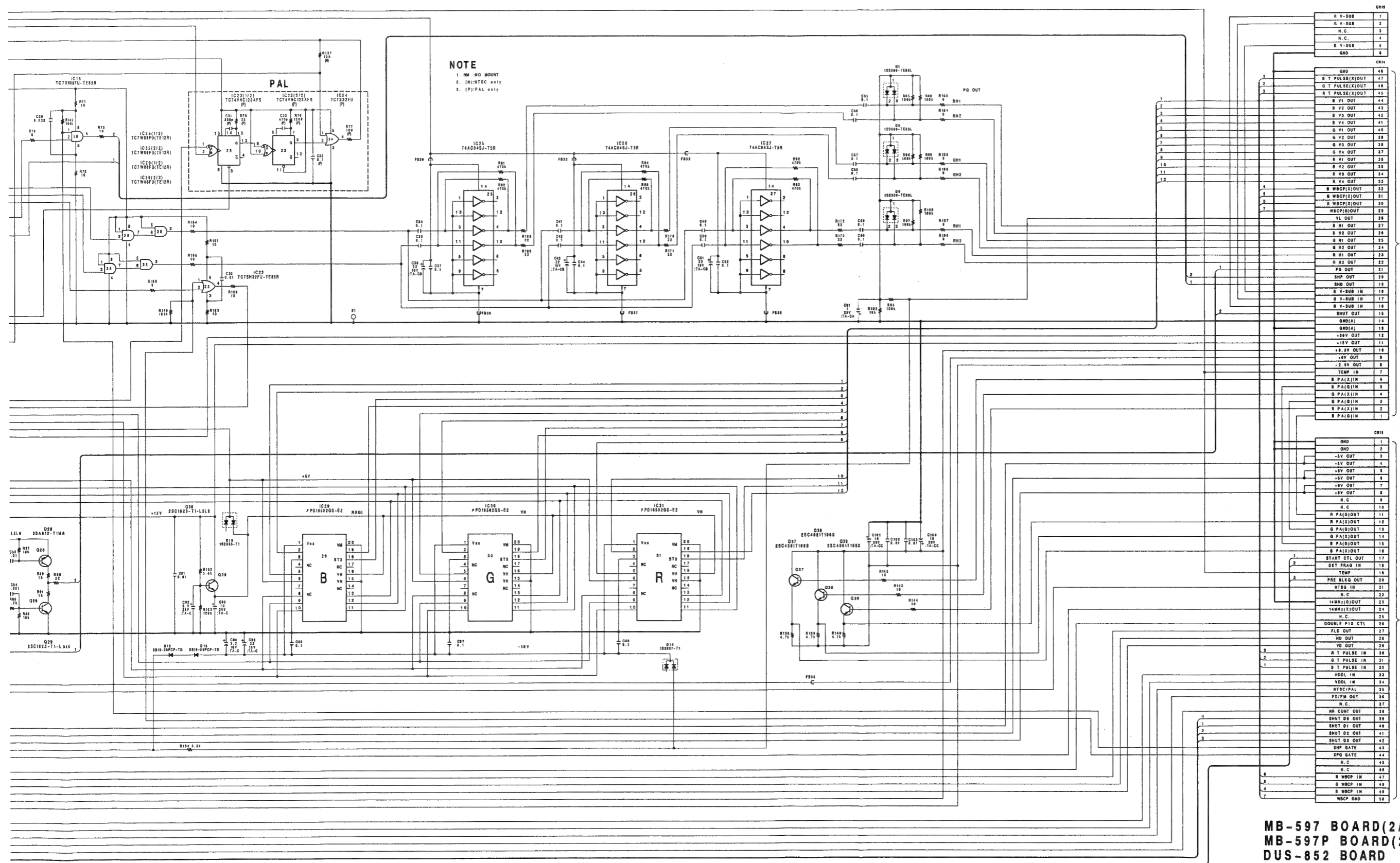
D

E

F

G

H



MB-597 BOARD(2/2)  
MB-597P BOARD(2/2)  
DUS-852 BOARD  
DXC-637(UC)  
DXC-637(J)  
DXC-637(EK, UC)  
B-YDXC637-MR5577M-2

## SECTION C SEMICONDUCTOR

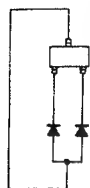
The Circuit diagram of IC is obtained from the IC data book published by the manufacture.

	TYPE	PAGE		TYPE	PAGE
DIODE	1S2835 .....	C-2	IC	NJM319M .....	C-13
	1S2837 .....	C-2		RTC4553B .....	C-13
	1SS123 .....	C-2		S-8054HN-CB .....	C-13
	1SS300 .....	C-2		SN74HC00APW .....	C-13
	1SS303 .....	C-2		SN74HC164ANS .....	C-13
	HSM107S .....	C-2		SN74HC27ANS .....	C-13
	HSM88AS .....	C-2		SN74HC574ANS .....	C-14
	HSM88WA .....	C-2		SN74HC74APW .....	C-14
	HSM88WK .....	C-2		SN74LS123NS .....	C-14
	MA141WK .....	C-2		TC4051BFS .....	C-9
	MA143 .....	C-2		TC4053BFS .....	C-12
	RD ? ?M .....	C-2		TC4S01F .....	C-14
	RD ? ?UH .....	C-2		TC4S30F .....	C-14
	SB10-05PCP .....	C-2		TC4S66F .....	C-14
	U05G .....	C-2		TC4S69F .....	C-15
				TC4S71F .....	C-15
				TC4W53F .....	C-15
LED	TL0143 .....	C-2		TC4W53FU .....	C-15
TRANSISTOR	2SA1213 .....	C-2		TC74HC4052AFS .....	C-15
	2SA1462 .....	C-2		TC74HC4053AFS .....	C-12
	2SA1576 .....	C-2		TC74HC4538AFS .....	C-15
	2SA1610 .....	C-2		TC74VHC08FS .....	C-15
	2SA1611 .....	C-2		TC74VHC157FS .....	C-16
	2SA812 .....	C-2		TC74VHC32FS .....	C-16
	2SB815B6B7 .....	C-2		TC7S00F .....	C-16
	2SC1009A .....	C-2		TC7S02F .....	C-14
	2SC1623 .....	C-2		TC7S04F .....	C-15
	2SC2873Y .....	C-2		TC7S08F .....	C-16
	2SC3735 .....	C-2		TC7S08FU .....	C-16
	2SC4081 .....	C-2		TC7S32F .....	C-16
	2SC4176 .....	C-2		TC7SH08FU .....	C-16
	2SC4177 .....	C-2		TC7SH32FU .....	C-16
	2SD1048 .....	C-2		TC7W08FU .....	C-16
	2SK853 .....	C-2		TL062CPS .....	C-16
	2SK94 .....	C-2		TL062CPW .....	C-16
	3SK163 .....	C-2		TL064CNS .....	C-17
	FMP1 .....	C-2		TL064CPW .....	C-17
	XN4601 .....	C-2		UPC311G2 .....	C-17
	XN6401 .....	C-2		UPC358G2 .....	C-17
	XN6435 .....	C-2		UPC812G2 .....	C-17
	XN6501 .....	C-2		UPD16502GS .....	C-17
	XN6534 .....	C-2		UPD6453GT .....	C-18
				X24C02S-3.0 .....	C-17
IC	74AC04SJ .....	C-3			
	CX22017 .....	C-3			
	CXA1409AQ .....	C-3			
	CXD1176Q .....	C-4			
	CXD1216M .....	C-4			
	CXD1217Q .....	C-6			
	CXD2307R .....	C-5			
	CXD2310R .....	C-5			
	CXD8154BM .....	C-8			
	CXK1203AR .....	C-7			
	CY7C291A-50SC .....	C-8			
	HD6475368SF .....	C-10			
	LM35DM .....	C-8			
	LT1253CS8 .....	C-9			
	M62352GP .....	C-9			
	M6M80011AFP .....	C-8			
	MAX452CSA .....	C-9			
	MB88351PFV .....	C-12			
	MC14051BF .....	C-9			
	MC14052BF .....	C-9			
	MC14053BF .....	C-12			
	MC74HC4053F .....	C-12			
	NJM1496M .....	C-12			
	NJM2043M .....	C-12			
	NJM2903M .....	C-12			

# DIODE, LED, TRANSISTOR

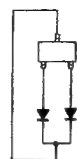
## DIODE

(SCALE 4/1)  
TOP VIEW



1S2835  
1SS300  
1SS303  
HSM88WA

(SCALE 4/1)  
TOP VIEW



1S2837  
HSM88WK  
MA141WK

(SCALE 4/1)  
TOP VIEW



1SS123  
HSM107S  
HSM88AS  
MA143

(SCALE 4/1)  
TOP VIEW



RD ? ?M

(SCALE 6/1)  
TOP VIEW



RD ? ?UH

(SCALE 4/1)  
TOP VIEW



SB10-05PCP U05G

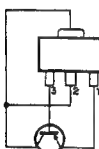
## LED



TL0143

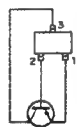
## TRANSISTOR

(SCALE 4/1)  
TOP VIEW



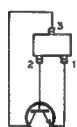
2SA1213

(SCALE 4/1)  
TOP VIEW



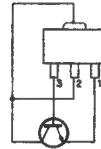
2SA1462  
2SA1576  
2SA1610  
2SA1611  
2SA812  
2SB815B6B7

(SCALE 4/1)  
TOP VIEW



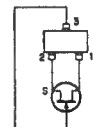
2SC1009A  
2SC1623  
2SC3735  
2SC4081  
2SC4176  
2SC4177  
2SD1048

TOP VIEW (SCALE 4/1)



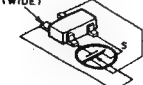
2SC2873Y

TOP VIEW (SCALE 4/1)



2SK853  
2SK94

(SCALE 3/1)  
(WIDE)



3SK163

TOP VIEW



FMP1

(SCALE 6/1)  
TOP VIEW



XN4601

(SCALE 6/1)  
TOP VIEW



XN6401  
XN6435

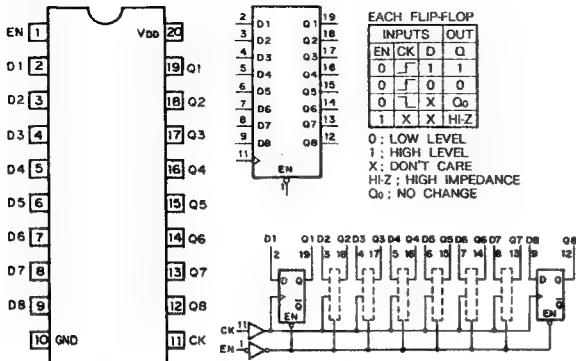
(SCALE 6/1)  
TOP VIEW



XN6501  
XN6534

IC

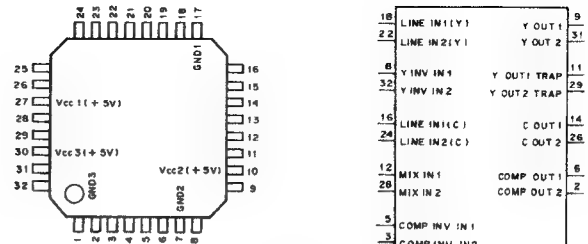
## 74AC04SJ (NS) FLAT PACKAGE

C-MOS HEX INVERTERS  
- TOP VIEW -

NOTE:

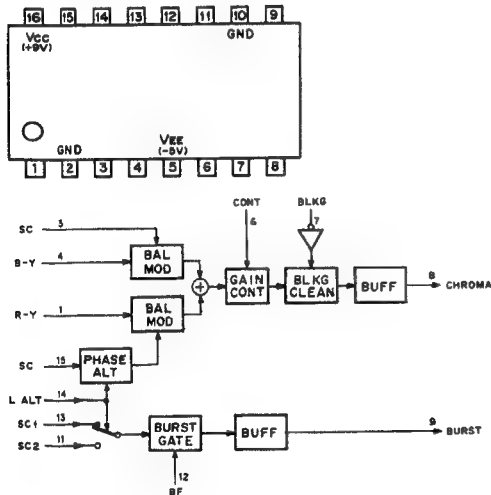
TYPE	V <sub>DD</sub>
74AC/74HC	+2 to +5V
74ACT/74FCT /74HCT	+5V
TC74AC574F TC74VHC574	+2 to +5.5V

## CX41409AQ (SONY)

VIDEO SWITCH  
- TOP VIEW -

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	-	GND3	17	-	GND1
2	O	COMP OUT2	18	I	LINE IN1(Y)
3	I	COMP INV IN2	19	O	VREG
4	I	PB/EE	20	I	EE IN
5	I	COMP INV IN1	21	I	VOW
6	O	COMP OUT1	22	I	LINE IN2(Y)
7	-	GND2	23	I	VOB
8	I	Y INV IN1	24	I	LINE IN2(C)
9	O	Y OUT1	25	I	OV
10	-	V <sub>CC2</sub>	26	O	C OUT2
11	O	Y OUT1 TRAP	27	-	V <sub>CC1</sub>
12	I	MIX IN1	28	I	MIX IN2
13	I	MUTE	29	O	YOUT2 TRAP
14	O	C OUT1	30	-	V <sub>CC3</sub>
15	I	STARTER	31	O	YOUT2
16	I	LINE IN1(C)	32	I	Y INV IN2

## CX22017 (SONY)

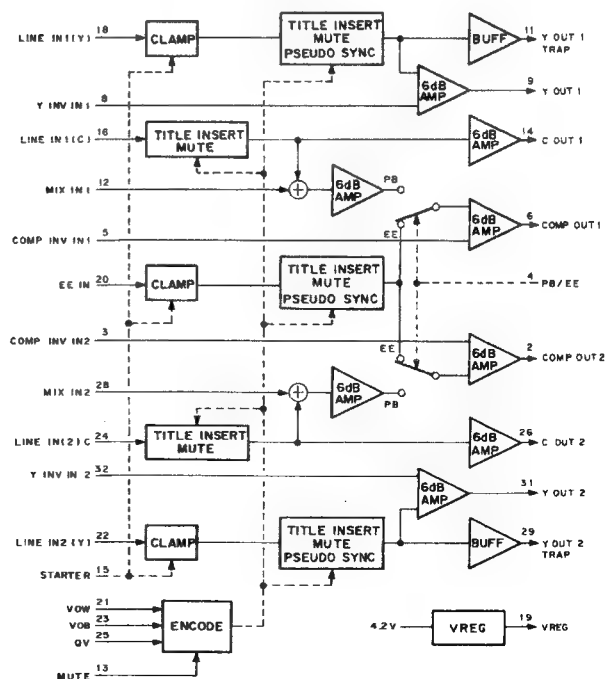
VIDEO SIGNAL PROCESSOR  
- TOP VIEW -

## INPUT

COMP INV IN1, COMP INV IN2 : COMPENSATES V SAG.  
 EEIN : Y AND COMPOSITE SIGNAL AFTER DIODE CLAMPING.  
 PB/EE : SWITCHES PB/EE. H (±2V) : PB MODE. L (±1V) : EE MODE.  
 LINE IN1(C), LINE IN2(C) : CHROMA SIGNAL.  
 LINE IN1(Y), LINE IN2(Y) : Y AND COMPOSITE SIGNAL AFTER DIODE CLAMPING.  
 MIX IN1, MIX IN2 : Y SIGNAL FROM Y OUT1/OUT2 TRAP.  
 MUTE : TIMING PULSE FOR MUTING VIDEO SIGNAL.  
 STARTER : ACCELERATES CLAMPING AT TRANSITION (POWER TURNING ON, etc.)  
 Y INV IN1, Y INV IN2 : COMPENSATES V SAG.  
 OV : TIMING PULSE FOR SETTING VIDEO SIGNAL TO FALSE SYNC.  
 VOB : TIMING PULSE FOR SETTING VIDEO SIGNAL TO NO-LEVEL.  
 VOW : TIMING PULSE FOR SETTING VIDEO SIGNAL Y LEVEL.

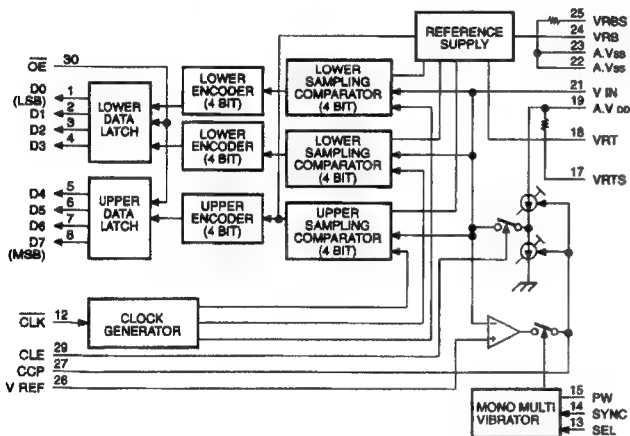
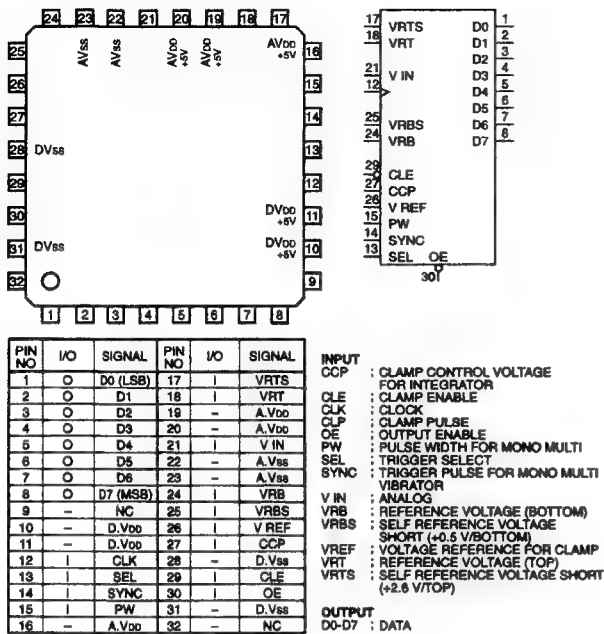
## OUTPUT

COMP OUT1, COMP OUT2 : VIDEO SIGNAL (Y AND COMPOSITE)  
 C OUT1, C OUT2 : VIDEO SIGNAL (CHROMA SIGNAL)  
 Y OUT1, Y OUT2 : VIDEO SIGNAL (Y AND COMPOSITE)  
 Y OUT1 TRAP, Y OUT2 TRAP : Y SIGNAL BEFORE Y/C MIX  
 VREG : INTERNAL REGULATOR (4.2V)

DXC-637 (J,UC)  
DXC-637P (EK)

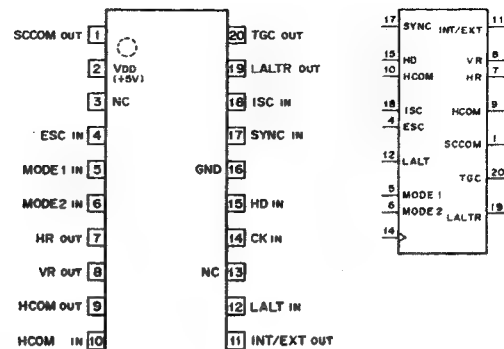
## CXD1176Q (SONY)

C-MOS 8-BIT 20MSPS VIDEO A/D CONVERTER  
- TOP VIEW -



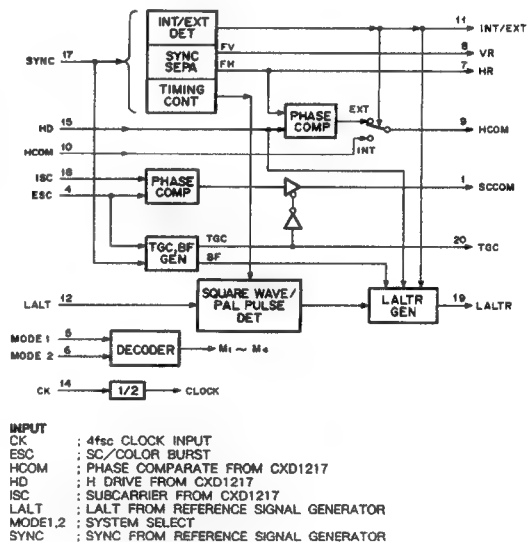
## CXD1216M (SONY) FLAT PACKAGE

C-MOS GENLOCK DRIVER  
- TOP VIEW -



INPUT	MODE1	MODE2	MODE	SYSTEM
0	0	0	M1	PAL-VBS
1	0	0	M2	PALM-VBS
0	1	0	M3	PAL-SECAM-VS/SC/LALT
1	1	1	M4	NTSC-VBS,NTSC-VS/SC PALM-VS/SC/LALT

0 : LOW LEVEL  
1 : HIGH LEVEL

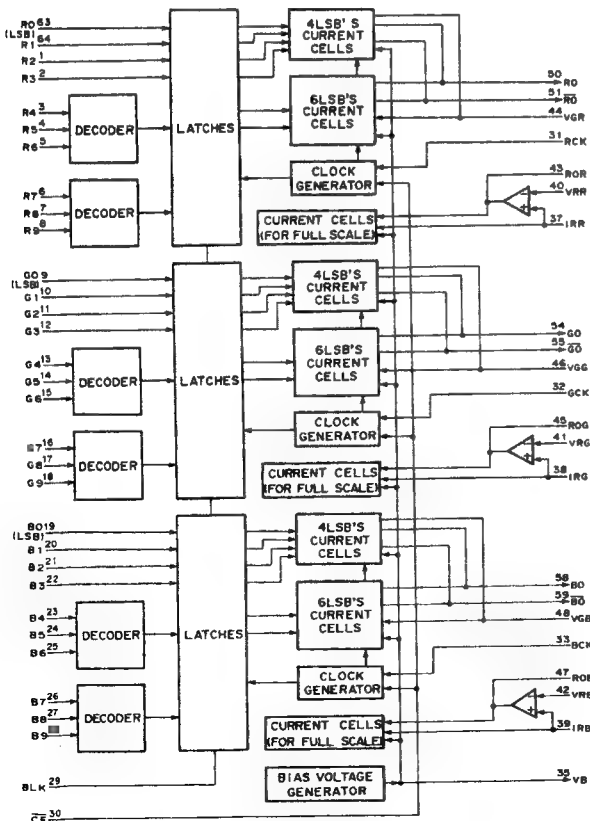
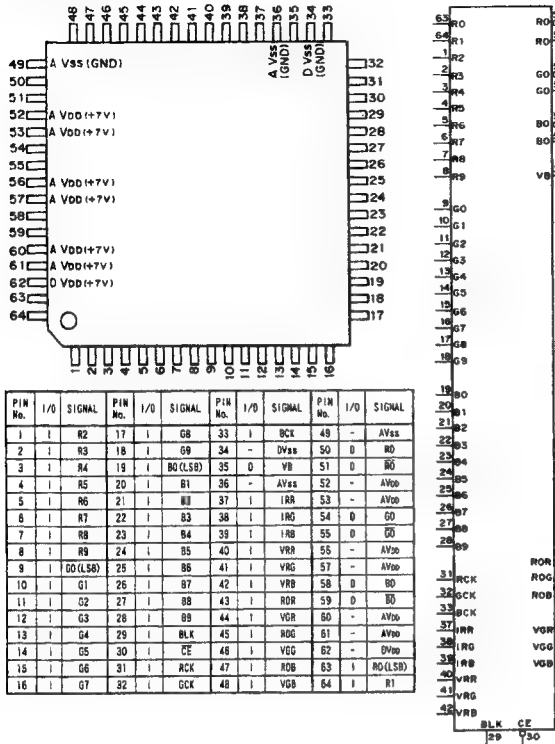


**INPUT**  
CK : 4fsc CLOCK INPUT  
ESC : SC/COLOR BURST  
HCOM : PHASE COMPARE FROM CXD1217  
HD : H DRIVE FROM CXD1217  
ISC : SUBCARRIER FROM CXD1217  
LALT : LALT FROM REFERENCE SIGNAL GENERATOR  
MODE1,2 : SYSTEM SELECT  
SYNC : SYNC FROM REFERENCE SIGNAL GENERATOR

**OUTPUT**  
HCOM : PHASE COMPARE HR WITH HD  
HR : H OF SYNC SEPARATE  
INT/EXT : INTERNAL/EXTERNAL SPECIFIED  
LALTR : LINE CHANGE RESET  
SCCOM : PHASE COMPARE ESC WITH ISC  
TGC : TRISTATE CONTROL  
VR : V OF SYNC SEPARATE

## CXD2307R (SONY) FLAT PACKAGE

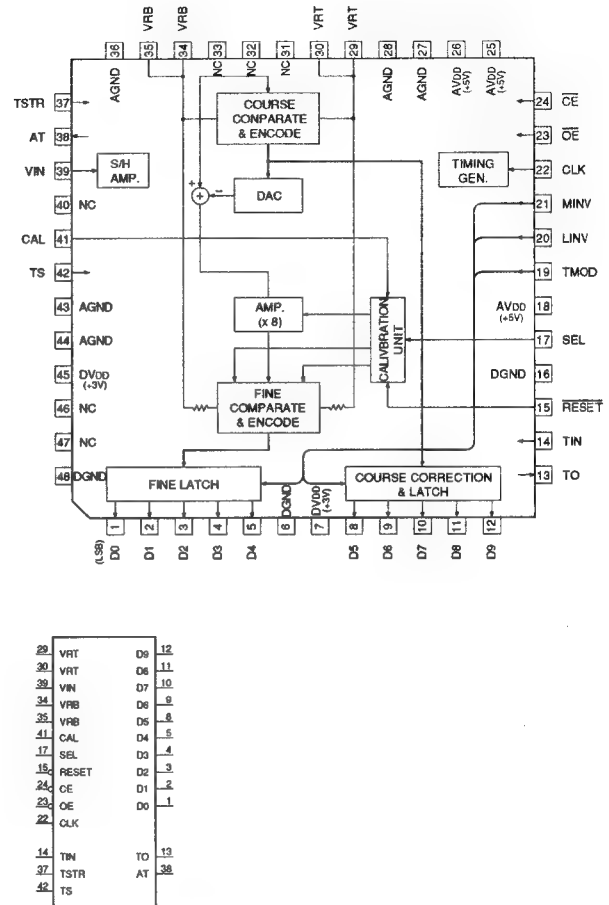
C-MOS 10-BIT 50MSPS RGB 3CHANNEL D/A CONVERTER  
- TOP VIEW -



DXC-637 (J,UC)  
DXC-637P (EK)

## CXD2310R (SONY)

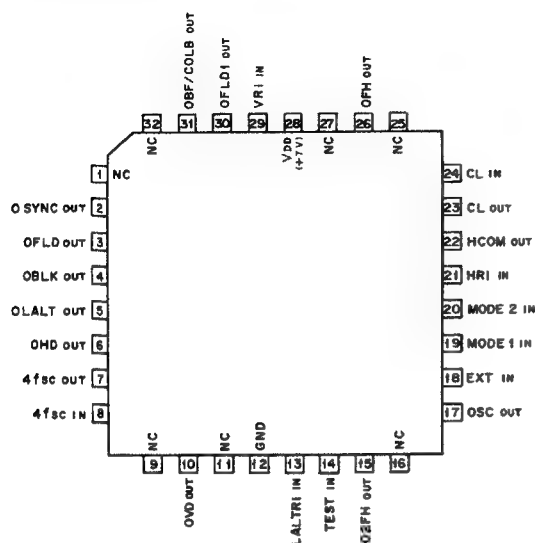
C-MOS 10-BIT 20MSPS VIDEO A/D CONVERTER  
-TOP VIEW-



INPUT  
CAL : CALIBRATION PULSE INPUT  
CE : CHIP ENABLE  
CLK : CLOCK  
LINV : OUTPUT (D0-D8) INVERSION  
MINV : OUTPUT (D9) INVERSION  
OE : DIGITAL DATA OUTPUT ENABLE  
RESET : CALIBRATION CIRCUIT RESET  
SEL : OUTPUT DATA (D5-D9) SELECT FOR CALIBRATION (4: CLOCK)  
TIN : TEST SIGNAL INPUT  
TMOD : TEST MODE  
TS : TEST SIGNAL INPUT  
TSTR : TEST SIGNAL INPUT  
VRB : REFERENCE BOTTOM VOLTAGE  
VRT : REFERENCE TOP VOLTAGE

OUTPUT  
AT : TEST SIGNAL OUTPUT  
D0-D9 : DIGITAL DATA OUTPUT  
TO : TEST PIN

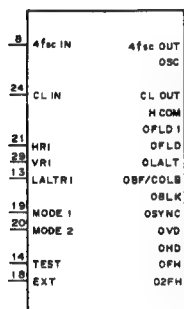
## CXD1217Q (SONY) FLAT PACKAGE

C-MOS SYNC GENERATOR  
- TOP VIEW -

SYSTEM	4fsc	CLOCK
NTSC	910f <sub>H</sub>	910f <sub>H</sub>
PAL	1135f <sub>H</sub> + 2f <sub>V</sub>	908f <sub>H</sub>
PALM	908f <sub>H</sub>	910f <sub>H</sub>
SECAM	—	908f <sub>H</sub>

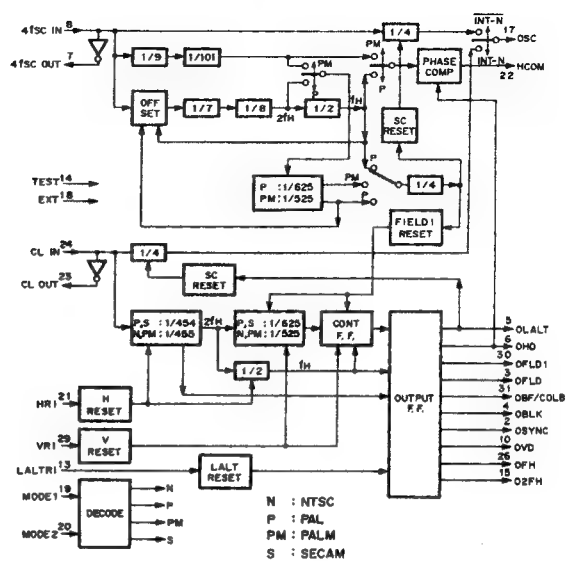
INPUT		SYSTEM
MODE1	MODE2	
0	0	NTSC
0	1	SECAM
1	0	PALM
1	1	PAL

0: LOW LEVEL  
1: HIGH LEVEL



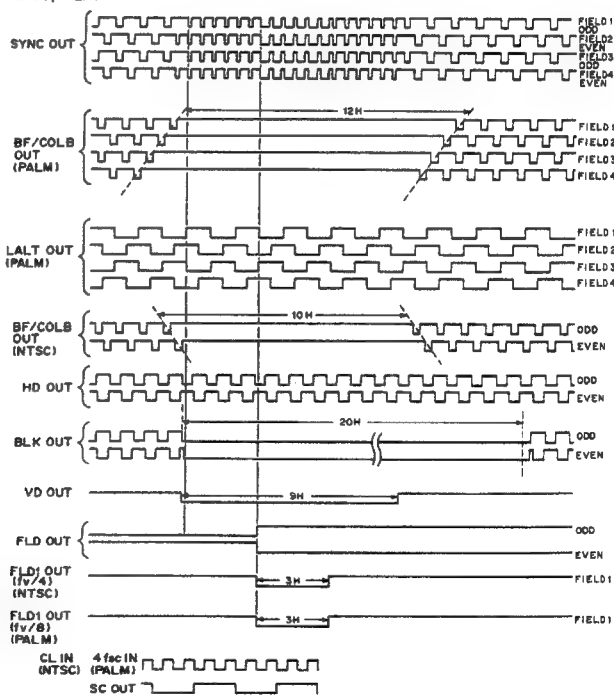
**INPUT**  
4fsc IN : 4fsc  
CL IN : CLOCK  
EXT : SYNC MODE SELECT  
(L: INTERNAL/H: EXTERNAL)  
HRI : HORIZONTAL RESET  
LALTRI : LINE ALTERNATE RESET  
MODE1,2 : SYSTEM SELECT  
VRI : VERTICAL RESET

**OUTPUT**  
4fsc OUT : 4fsc  
CL OUT : CLOCK  
HCOM : PHASE COMPARATOR  
O2FH : 2f<sub>H</sub>  
OBF/COLB : BURST FLAG/COLOR BLANKING  
OBLK : COMPOSITE BLANKING  
OFH : f<sub>H</sub>  
OFLD : FIELD PULSE  
OFLD1 : FIELD1  
OHD : HORIZONTAL DRIVE  
OLALT : LINE ALTERNATE  
OSC : SUBCARRIER  
OSYNC : COMPOSITE SYNC  
OVD : VERTICAL DRIVE

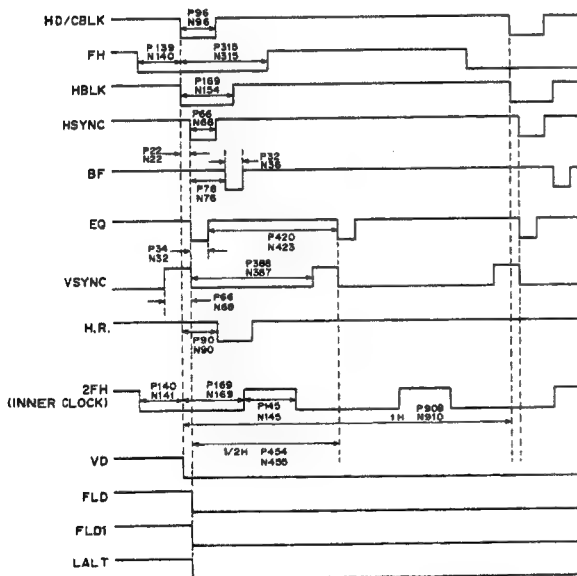
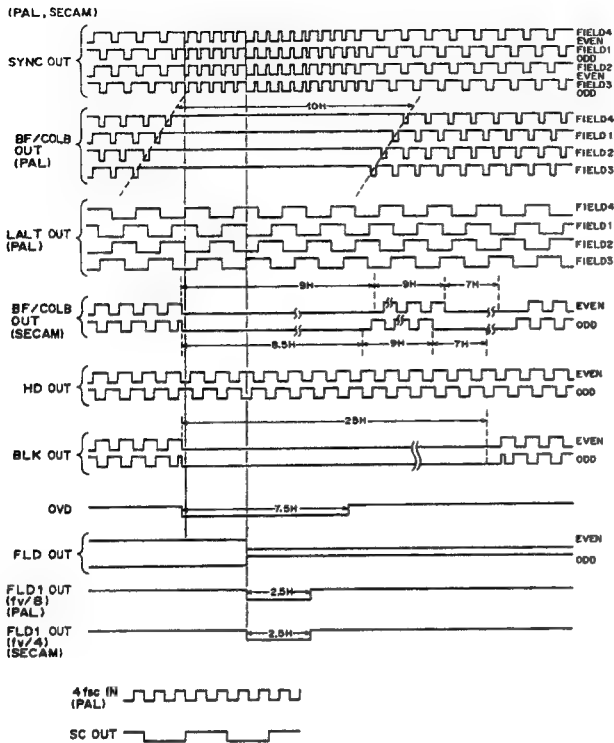
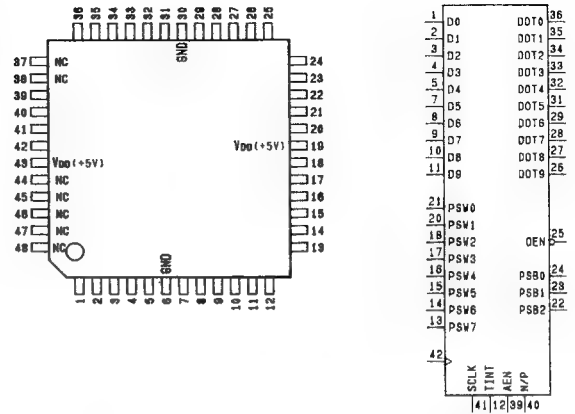


N : NTSC  
P : PAL  
PM : PALM  
S : SECAM

(INTSC, PALM)



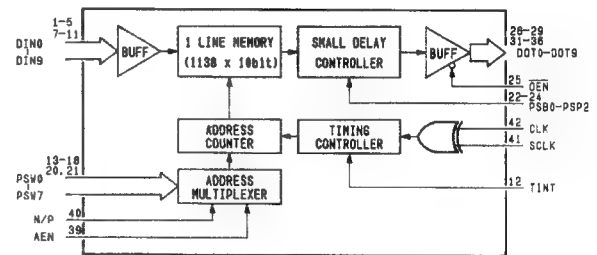
## CXK1203AR (SONY) FLAT PACKAGE

C-MOS DIGITAL LINE MEMORY  
- TOP VIEW -P: PAL, SECAM  
N: NTSC, PALM

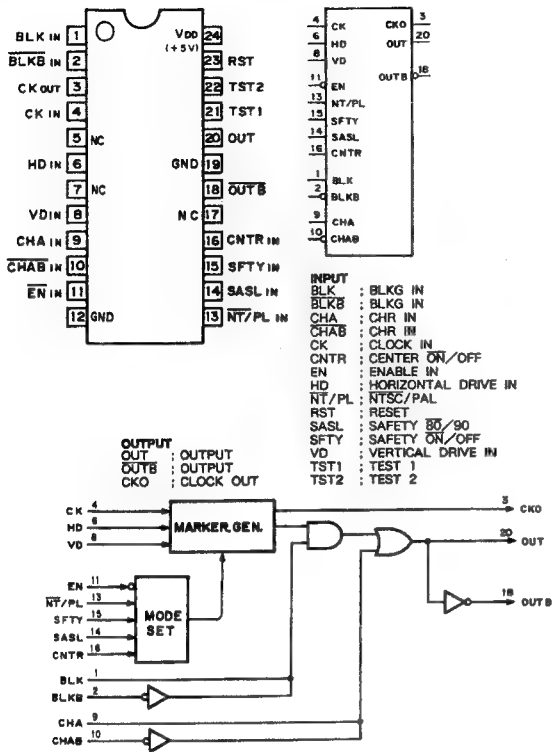
(VDD = +5V)

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	D0	13	I	PSW7	25	I	OEN	37	-	N.C.
2	I	D1	14	I	PSW6	26	O	DOT9	38	-	N.C.
3	I	D2	15	I	PSW5	27	O	DOT8	39	I	AEN
4	I	D3	16	I	PSW4	28	O	DOT7	40	I	N/P
5	I	D4	17	I	PSW3	29	O	DOT6	41	I	SCLK
6	-	GND	18	I	PSW2	30	-	GND	42	I	CLK
7	I	D5	19	-	VDD	31	O	DOT5	43	-	VDD
8	I	D6	20	I	PSW1	32	O	DOT4	44	-	N.C.
9	I	D7	21	I	PSW0	33	O	DOT3	45	-	N.C.
10	I	D8	22	I	PSB2	34	O	DOT2	46	-	N.C.
11	I	D9	23	I	PSB1	35	O	DOT1	47	-	N.C.
12	I	TINT	24	I	PSB0	36	O	DOT0	48	-	N.C.

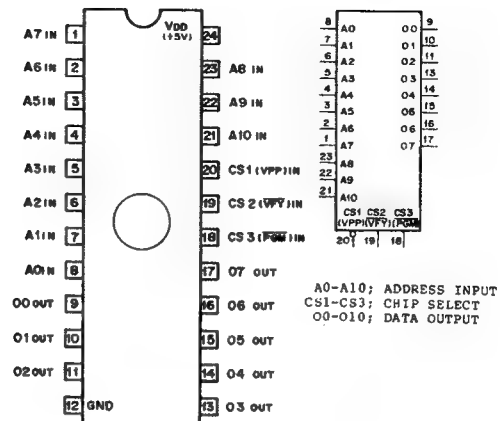
AEN : LINE MEMORY SELECT  
CLK : CLOCK  
DIN0-DIN9 : VIDEO DATA INPUT  
DOT0-DOT9 : VIDEO DATA OUTPUT  
N/P : NTSC/PAL/SECAM SELECT  
OEN : OUTPUT ENABLE  
PSB0-PSB2 : DELAY STEP SELECT (1 BITXN)  
PSW0-PSW7 : DELAY STEP SELECT (8 BITXN)  
SCLK : CLOCK EDGE SELECT  
TINT : TEST



## CXD8154BM (SONY)

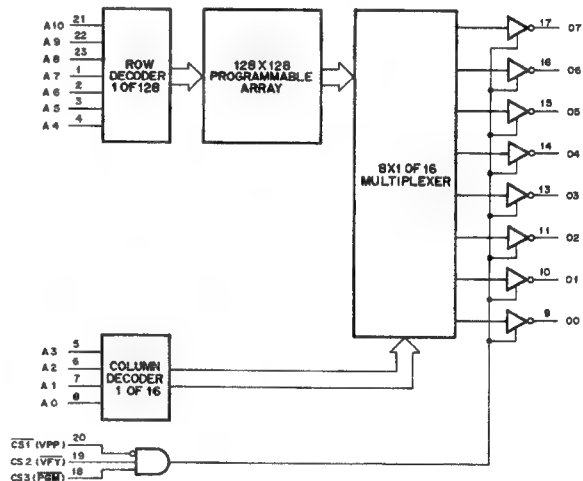
C-MOS GATE ARRAY  
- TOP VIEW -

## CY7C291A-50SC (CYPRESS)

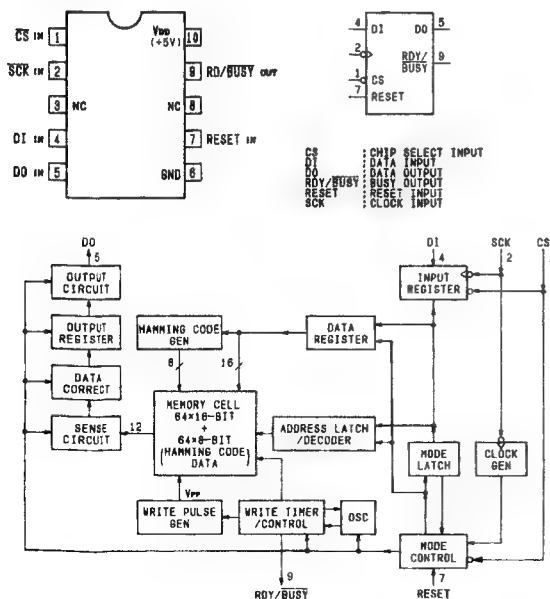
C-MOS 16K(2048X8)-BIT EPROM  
- TOP VIEW -

CS1	CS2	CS3	OUTPUTS	MODE
0	1	1	DATA OUT	READ
1	X	X	HI-Z	OUTPUT DISABLE
X	0	X	HI-Z	OUTPUT DISABLE
X	X	0	HI-Z	OUTPUT DISABLE
VPP	1	0	DATA IN	PROGRAM
VPP	0	1	DATA OUT	PROGRAM VERIFY
VPP	1	1	HI-Z	PROGRAM INHIBIT
VPP	1	0	DATA IN	INTELLIGENT PROGRAM
0	0	VPP	ONES	BLANK CHECK ONES
0	1	VPP	ZEROS	BLANK CHECK ZEROS

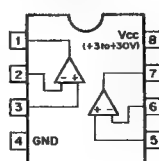
0: LOW LEVEL  
 1: HIGH LEVEL  
 X: DON'T CARE  
 (NOT TO EXCEED VDD +5V)  
 HI-Z: HIGH IMPEDANCE  
 VPP: PROGRAMING VOLTAGE  
 (+13V to +14V)



## M6M80011AFP (MITSUBISHI) FLAT PACKAGE

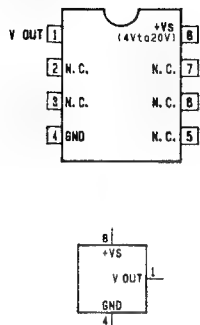
C-MOS 1K(64X16)BIT ERASABLE PROM  
- TOP VIEW -

## LM35DM (NSC) FLAT PACKAGE

TEMPERATURE SENSOR  
- TOP VIEW -

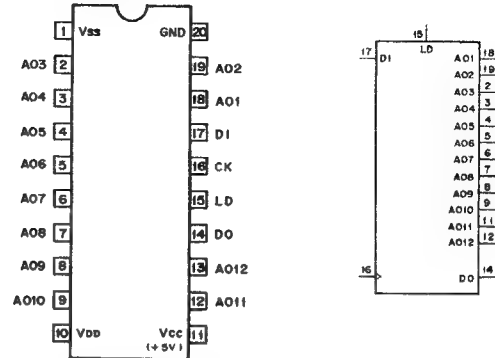
## LT1253CS8 (LINEAR TECHNOLOGY) FLAT PACKAGE

DUAL AND QUAD VIDEO AMPLIFIERS  
- TOP VIEW -



## M62352GP (MITSUBISHI) FLAT PACKAGE

C-MOS 8-BITx12 CHANNEL D/A CONVERTER  
(WITH BUFFER OPERATIONAL AMPLIFIER)  
- TOP VIEW -

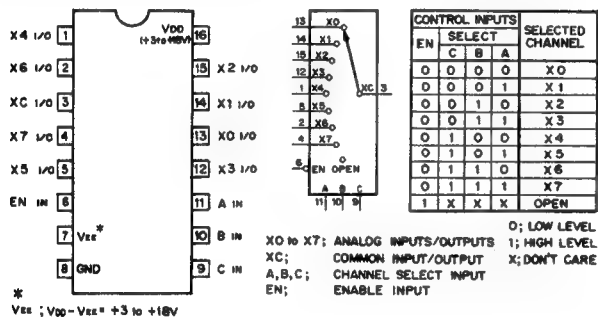


A01 - A012: 8-BIT D/A OUTPUT  
CK : CLOCK INPUT  
D1 : SERIAL DATA INPUT  
D0 : DATA OUTPUT

NOTE:  
3.5V < VDD < VCC  
- 3.5V < VSS < VCC

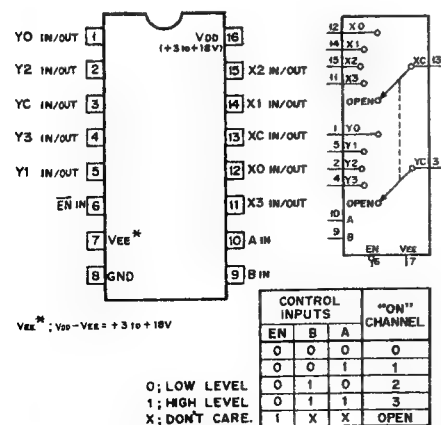
MC14051BF (MOTOROLA) FLAT PACKAGE  
TC4051BFS (TOSHIBA) FLAT PACKAGE

C-MOS 8-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER  
- TOP VIEW -



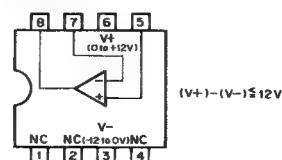
## MC14052BF (MOTOROLA) FLAT PACKAGE

C-MOS DUAL 4-CHANNEL ANALOG MULTIPLEXERS/DEMULTIPLEXERS  
- TOP VIEW -



## MAX452CSA (MAXIM) FLAT PACKAGE

C-MOS 50MHZ VIDEO AMPLIFIER  
- TOP VIEW -

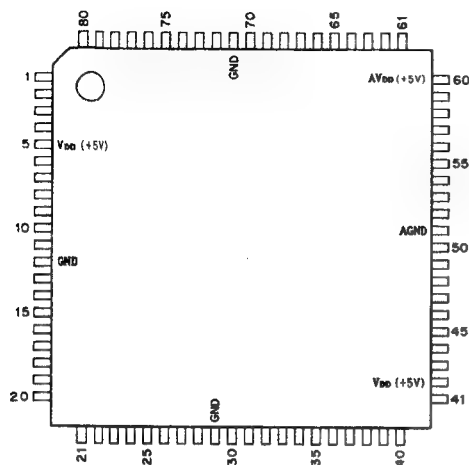


DXC-637 (J,UC)  
DXC-637P (EK)

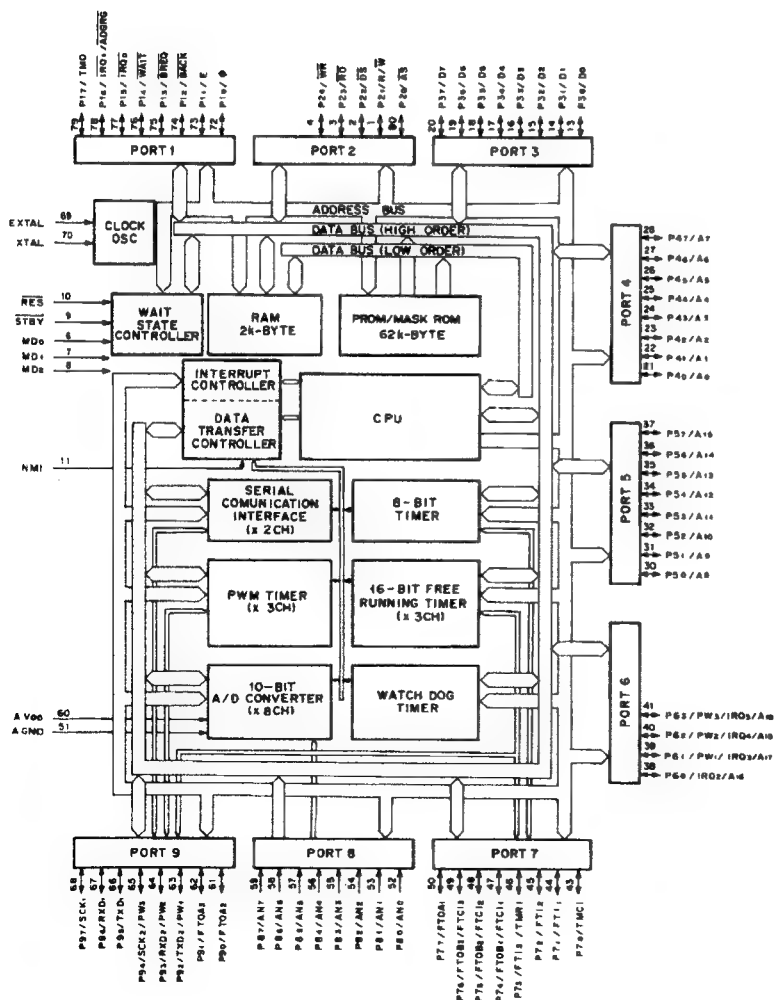
## HD6475368SF (HITACHI) FLAT PACKAGE

C-MOS 16-BIT MICRO COMPUTER UNIT

- TOP VIEW -



MODE1				MODE2			
72	P10/φ	D0	13	72	P10/φ	D0	13
73	P11/E	D1	14	73	P11/E	D1	14
74	P12/BACK	D2	15	74	P12/BACK	D2	15
75	P13/BREQ	D3	16	75	P13/BREQ	D3	16
76	P14/WAIT	D4	17	76	P14/WAIT	D4	17
77	P15/IRQ5	D5	18	77	P15/IRQ5	D5	18
78	P16/IRQ1/ADTRG	D6	19	78	P16/IRQ1/ADTRG	D6	19
79	P17/TMO	D7	20	79	P17/TMO	D7	20
38	P60/IRQ2	A0	21	38	P60/IRQ2	A0	21
39	P61/PW1/IRQ3	A1	22	39	P61/PW1/IRQ3	A1	22
40	P62/PW2/IRQ4	A2	23	40	P62/PW2/IRQ4	A2	23
41	P63/PW3/IRQ5	A3	24	41	P63/PW3/IRQ5	A3	24
43	P70/TMO	A4	25	43	P70/TMO	A4	25
44	P71/FT1	A5	26	44	P71/FT1	A5	26
45	P72/FT2	A6	27	45	P72/FT2	A6	27
46	P73/FT3/TMR1	A7	28	46	P73/FT3/TMR1	A7	28
47	P74/FT0B1/FTC1	A8	29	47	P74/FT0B1/FTC1	A8	29
48	P75/FT0B2/FTC2	A9	30	48	P75/FT0B2/FTC2	A9	30
49	P76/FT0B3/FTC3	A10	31	49	P76/FT0B3/FTC3	A10	31
50	P77/FT0A1	A11	32	50	P77/FT0A1	A11	32
52	P80/AN0	A12	33	52	P80/AN0	A12	33
53	P81/AN1	A13	34	53	P81/AN1	A13	34
54	P82/AN2	A14	35	54	P82/AN2	A14	35
55	P83/AN3	A15	36	55	P83/AN3	A15	36
56	P84/AN4		37	56	P84/AN4		37
57	P85/AN5			57	P85/AN5		
58	P86/AN6			58	P86/AN6		
59	P87/AN7			59	P87/AN7		
61	P90/FT0A2		61	61	P90/FT0A2		61
62	P91/FT0A3		62	62	P91/FT0A3		62
63	P92/TXD2/PW1		63	63	P92/TXD2/PW1		63
64	P93/RXD2/PW2		64	64	P93/RXD2/PW2		64
65	P94/SCK2/PW3		65	65	P94/SCK2/PW3		65
66	P95/TXD1		66	66	P95/TXD1		66
67	P96/RXD1		67	67	P96/RXD1		67
68	P97/SCK1		68	68	P97/SCK1		68
9	STBY	R/W	1	9	STBY	R/W	1
10	RES	DS	2	10	RES	DS	2
11	NMI	RD	3	11	NMI	RD	3
69	EXTAL	WR	4	69	EXTAL	WR	4
70	XTAL	AS	5	70	XTAL	AS	5



MODE4	
	D0
	D1
	D2
	D3
	D4
	D5
	D6
	D7
	A0
	A1
	A2
	A3
	A4
	A5
	A6
	A7
MPR1	
FTC1	P50/A8
FTC2	P51/A9
FTC3	P52/A10
	P53/A11
	P54/A12
	P55/A13
	P56/A14
	P57/A15
	P96/FTQA2
	P91/FTQA3
	P97/TXD2/PW1
	P92/RXD2/PW2
	P94/SCK2/PW3
	P96/TXD1
	P98/RXD1
	P93/SCK1
	R/W
	RD
	FS
	WR
	AS

MODE7		
72	P1e/Φ	P3e
73	P11/ε	P3i
74	P12	P32
75	P13	P33
76	P14	P34
77	P1e/IRD5	P3e
78	P1a/IRD1/ADTRG	P3a
79	P12/TMO	P32
38	P6e/IRD5	P4e
39	P61/PW1/IRD1	P41
40	P62/PW2/IRD5	P42
41	P63/PW3/IRD5	P43
43	P7a/TMO1	P4a
44	PT1/FT11	P4e
45	PT2/FT12	P42
46	PT3/FT13/TMR1	P43
47	PT4/FTO1b/FTCl1	P51
48	PT6/FTO2b/FTCl2	P52
49	PT6/FTO2b/FTCl3	P53
50	PT7/FTO1a	P54
52	P8e/ANe	P5e
53	P81/AN1	P51
54	P82/AN2	P52
55	P83/AN3	P53
56	P8e/ANe	P6e/FTO1a
57	P81/AN1	P61/FTO1a
58	P8e/ANe	PS2/TX2D/PW1
59	P81/AN1	P63/RXD2/PW2
59		P64/SCK2/PW3
8	MDa	P6e/TXD1
7	MD1	P6e/RXD1
8	MD2	P61/SCK1
9	STBY	P2a
10	RES	P21
11	NMI	P22
60	EXTAL	P2a
70	XTAL	

```

INPUT                                     :
ADTRG                                     : EXTERNAL TRIGGER
ANO - AN7                                : ANALOG
BREQ                                     : BUS RIGHT REQUEST
EXTAL                                     : CRYSTAL OSCILLATOR
FT11 - FT13                             : FREE RUNNING TIMER INPUT
                                          : CAPTURE (CH1 - CH3)
FTC11 - FTC13                           : FREE RUNNING TIMER COUNTER
                                          : CLOCK (CH1 - CH3)
IRO0 - IRO5                             : INTERRUPT REQUEST
MDO - MD2                                : MODE SET UP (* 1)
NMI                                       : NON-MASKABLE INTERRUPT
PS (0 - 7)                              : PORT 8
R1, R2, R3, R4, R5, R6, R7, R8, R9, R10 : RECEIVE DATA (CH1, CH2)
STBY                                     : STANDBY
TMCI                                     : 8-BIT TIMER CLOCK
TMRI                                     : 8-BIT TIMER COUNTER RESET
WAIT                                     : WAIT
XTAL                                     : CRYSTAL OSCILLATOR

OUTPUT
A0 - A19                                : ADDRESS BUS
AS                                       : ADDRESS STROBE
BACK                                     : BUS RIGHT REQUEST
E                                         : ACKNOWLEDGE
DS                                       : ENABLE CLOCK
FT0A1 - FT0A3                             : DATA STROBE
                                          : FREE RUNNING TIMER OUTPUT
FT0B1 - FT0B3                             : COMPARE A (CH1 - CH3)
                                          : FREE RUNNING TIMER OUTPUT
                                          : COMPARE B (CH1 - CH3)
PW1 - PW3                               : PWM TIMER (CH1 - CH3)
RD                                       : READ
R/W                                     : READ /WRITE
TMO                                     : 8-BIT TIMER
TXD1, TXD2                              : TRANSMISSION DATA (CH1, CH2)
WR                                       : WRITE
♦                                       : SYSTEM CLOCK

INPUT/OUTPUT
DO - D7                                  : DATA BUS
P1 (0 - 7)                              : PORT 1
P2 (0 - 4)                              : PORT 2
P3 (0 - 7)                              : PORT 3
P4 (0 - 7)                              : PORT 4
P5 (0 - 7)                              : PORT 5
P6 (0 - 3)                              : PORT 6
P7 (0 - 7)                              : PORT 7
P8 (0 - 7)                              : PORT 8
RES                                     : RESET
SCK1, SCK2                             : SERIAL CLOCK (CH1, CH2)

```

INPUTS			OPERATION	CONTENTS
MD2	MD1	MD0	MODE	
0	0	1	MODE 1	EXTENSION MINIMUM MODE NO EFFECTIVE ROM
0	1	0	MODE 2	EXTENSION MINIMUM MODE EFFECTIVE ROM
0	1	1	MODE 3	EXTENSION MAXIMUM MODE NO EFFECTIVE ROM
1	0	0	MODE 4	EXTENSION MAXIMUM MODE EFFECTIVE ROM
1	1	1	MODE 7	SINGLE CHIP MODE

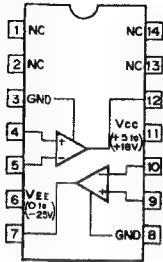
		(VDD = +5V)	
		SINGLE CHIP MODE	MODE7
AL	I/O	SIGNAL	
W	I/O	P21	
	I/O	P22	
	I/O	P23	
	I/O	P24	
	-	VDD	
	I	MD0	
	I	MD1	
	I	MD2	
Y	I	STBY	
	I/O	RES	
	-	NMI	
	I/O	P30	
	I/O	P31	
	I/O	P32	
	I/O	P33	
	I/O	P34	
	I/O	P35	
	I/O	P36	
	I/O	P37	
	I/O	P40	
	I/O	P41	
	I/O	P42	
	I/O	P43	
	I/O	P44	
	I/O	P45	
	I/O	P46	
	I/O	P47	
	-	GND	
A8	I/O	P50	
A9	I/O	P51	
A10	I/O	P52	
A11	I/O	P53	
A12	I/O	P54	
A13	I/O	P55	
A14	I/O	P56	
A15	I/O	PER2	
A16	I/O	P60/IR07	
A17	I/O	P61/IR08/IR09	
A18	I/O	P62/IR10/IR11	

(V <sub>DD</sub> = +5V)										
PIN No.	EXTENSION MINIMUM MODE		EXTENSION MAXIMUM MODE				SINGLE CHIP MODE			
	MODE1	MODE2	MODE3		MODE4			MODE7		
41	I/O	SIGNAL	I/O	SIGNAL	I/O	SIGNAL	I/O	SIGNAL	I/O	SIGNAL
42	1/O	PB3/PB2/IR05	1/O	PB3/PB2/IR05	1/O	A19	1/O	PB3/IR05/A19	1/O	PB3/PB2/IR05
43	—	VDD	—	VDD	—	VDD	—	VDD	—	VDD
44	1/O	P70/TCMCI	1/O	P70/TCMCI	1/O	P70/TCMCI	1/O	P70/TCMCI	1/O	P70/TCMCI
45	1/O	P71/FTI1	1/O	P71/FTI1	1/O	P71/FTI1	1/O	P71/FTI1	1/O	P71/FTI1
46	1/O	P72/FTI2	1/O	P72/FTI2	1/O	P72/FTI2	1/O	P72/FTI2	1/O	P72/FTI2
47	1/O	P73/FTI3/IRH1	1/O	P73/FTI3/IRH1	1/O	P73/FTI3/IRH1	1/O	P73/FTI3/IRH1	1/O	P73/FTI3/IRH1
48	1/O	P74/FT0B/FTIC1	1/O	P74/FT0B/FTIC1	1/O	P74/FT0B/FTIC1	1/O	P74/FT0B/FTIC1	1/O	P74/FT0B/FTIC1
49	1/O	P75/FT0B/FTIC2	1/O	P75/FT0B/FTIC2	1/O	P75/FT0B/FTIC2	1/O	P75/FT0B/FTIC2	1/O	P75/FT0B/FTIC2
50	1/O	P76/FT0B/FTIC3	1/O	P76/FT0B/FTIC3	1/O	P76/FT0B/FTIC3	1/O	P76/FT0B/FTIC3	1/O	P76/FT0B/FTIC3
51	—	AGND	—	AGND	—	AGND	—	AGND	—	AGND
52	I	PB0/AN0	I	PB0/AN0	I	PB0/AN0	I	PB0/AN0	I	PB0/AN0
53	I	PB1/AN1	I	PB1/AN1	I	PB1/AN1	I	PB1/AN1	I	PB1/AN1
54	I	PB2/AN2	I	PB2/AN2	I	PB2/AN2	I	PB2/AN2	I	PB2/AN2
55	I	PB3/AN3	I	PB3/AN3	I	PB3/AN3	I	PB3/AN3	I	PB3/AN3
56	I	PB4/AN4	I	PB4/AN4	I	PB4/AN4	I	PB4/AN4	I	PB4/AN4
57	I	PB5/AN5	I	PB5/AN5	I	PB5/AN5	I	PB5/AN5	I	PB5/AN5
58	I	PB6/AN6	I	PB6/AN6	I	PB6/AN6	I	PB6/AN6	I	PB6/AN6
59	I	PB7/AN7	I	PB7/AN7	I	PB7/AN7	I	PB7/AN7	I	PB7/AN7
60	—	AVDD	—	AVDD	—	AVDD	—	AVDD	—	AVDD
61	1/O	P90/FT0A2	1/O	P90/FT0A2	1/O	P90/FT0A2	1/O	P90/FT0A2	1/O	P90/FT0A2
62	1/O	P91/FT0A3	1/O	P91/FT0A3	1/O	P91/FT0A3	1/O	P91/FT0A3	1/O	P91/FT0A3
63	1/O	P92/TXD2/PN1	1/O	P92/TXD2/PN1	1/O	P92/TXD2/PN1	1/O	P92/TXD2/PN1	1/O	P92/TXD2/PN1
64	1/O	P93/RXD2/PN2	1/O	P93/RXD2/PN2	1/O	P93/RXD2/PN2	1/O	P93/RXD2/PN2	1/O	P93/RXD2/PN2
65	1/O	P94/SCD2/PN3	1/O	P94/SCD2/PN3	1/O	P94/SCD2/PN3	1/O	P94/SCD2/PN3	1/O	P94/SCD2/PN3
66	1/O	P95/TXD1	1/O	P95/TXD1	1/O	P95/TXD1	1/O	P95/TXD1	1/O	P95/TXD1
67	1/O	P96/RXD1	1/O	P96/RXD1	1/O	P96/RXD1	1/O	P96/RXD1	1/O	P96/RXD1
68	1/O	P97/SCK1	1/O	P97/SCK1	1/O	P97/SCK1	1/O	P97/SCK1	1/O	P97/SCK1
69	I	EXTAL	I	EXTAL	I	EXTAL	I	EXTAL	I	EXTAL
70	I	XTAL	I	XTAL	I	XTAL	I	XTAL	I	XTAL
71	—	GND	—	GND	—	GND	—	GND	—	GND
72	1/O	P10/φ	1/O	P10/φ	1/O	P10/φ	1/O	P10/φ	1/O	P10/φ
73	1/O	P11/φ	1/O	P11/φ	1/O	P11/φ	1/O	P11/φ	1/O	P11/φ
74	1/O	P12/BACK	1/O	P12/BACK	1/O	P12/BACK	1/O	P12/BACK	1/O	P12/BACK
75	1/O	P13/BREG	1/O	P13/BREG	1/O	P13/BREG	1/O	P13/BREG	1/O	P13/BREG
76	1/O	P14/WAIT	1/O	P14/WAIT	1/O	P14/WAIT	1/O	P14/WAIT	1/O	P14/WAIT
77	1/O	P15/IR00	1/O	P15/IR00	1/O	P15/IR00	1/O	P15/IR00	1/O	P15/IR00
78	1/O	P16/IR01/ADTRG	1/O	P16/IR01/ADTRG	1/O	P16/IR01/ADTRG	1/O	P16/IR01/ADTRG	1/O	P16/IR01/ADTRG
79	1/O	P17/TMO	1/O	P17/TMO	1/O	P17/TMO	1/O	P17/TMO	1/O	P17/TMO
80	0	AS	0	AS	0	AS	0	AS	1/O	P20



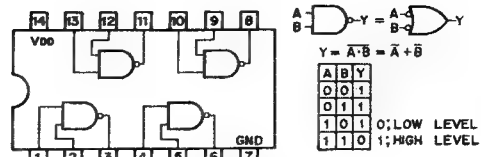
### NJM319M (JRC) FLAT PACKAGE

DUAL VOLTAGE COMPARATOR  
- TOP VIEW -



### SN74HC00APW (TI)

C-MOS QUAD 2-INPUT NAND GATES  
- TOP VIEW -

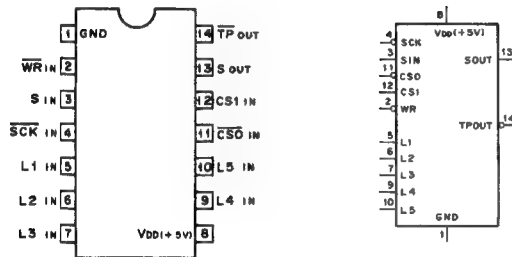


NOTE:

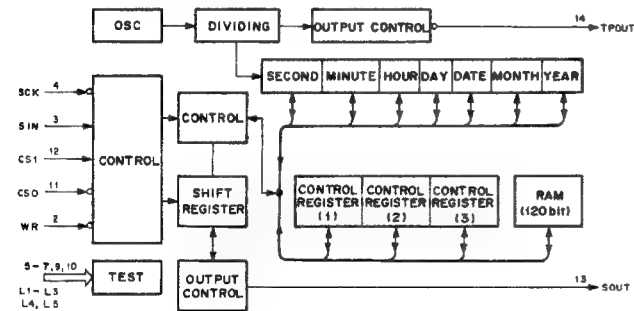
TYPE	V <sub>DD</sub>
TC74AC00 TYPE	+2 to +5.5V
TC74VHC00	+5V
MC74VHC00N	+4.5 to +5.5V
OTHER TYPES	+2 to +6V

### RTC4553B (EPSON)

C-MOS REAL TIME CLOCK

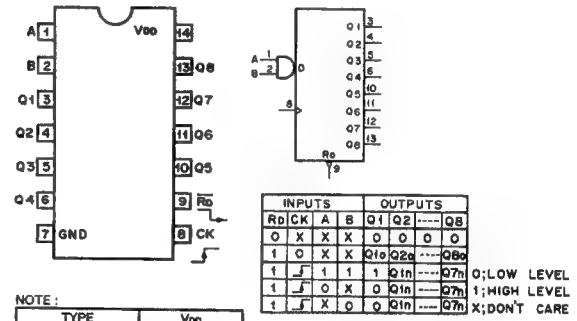


**INPUT**  
CS0 : CHIP SELECT (L : ACCESS ENABLE, H : SOUT HIGH Z)  
CS1 : POWER DOWN DETECTION  
L1 - L5 : TEST IN  
SCK : SERIAL SYNC SIGNAL  
SIN : SERIAL ADDRESS/DATA  
WR : WRITING SELECT (L : WRITING, H : READING)  
**OUTPUT**  
SOUT : SERIAL ADDRESS/DATA  
TPOUT : REFERENCE SIGNAL



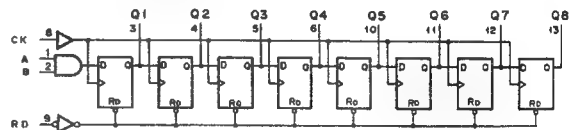
### SN74HC164ANS (TI) FLAT PACKAGE

C-MOS 8-BIT SERIAL-IN/PARALLEL-OUT SHIFT REGISTER  
- TOP VIEW -



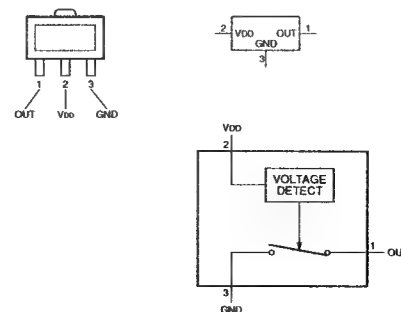
NOTE:

TYPE	V <sub>DD</sub>
ACVHC	+2 to +5.5V
HC	+2 to +8V
HCT	+5V



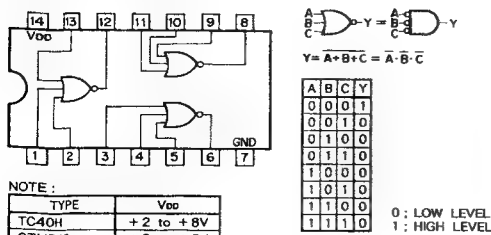
### S-8054HN-CB (SEIKO I AND E) 3.80—4.20V

VOLTAGE DETECTOR WITH N-CHANNEL OPEN DRAIN OUTPUT  
- TOP VIEW -



### SN74HC27ANS (TI) FLAT PACKAGE

C-MOS 3-LINE POSITIVE-NOR GATE  
- TOP VIEW -

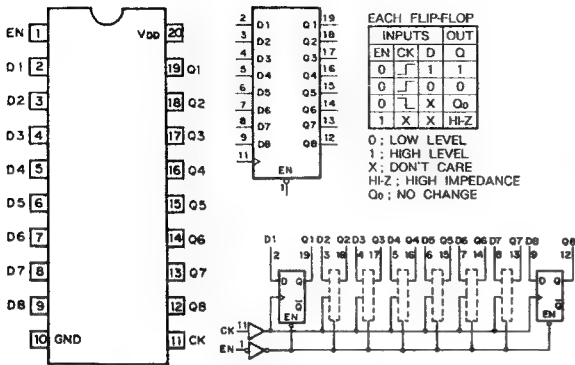


NOTE:

TYPE	V <sub>DD</sub>
TC40H	+2 to +8V
OTHERS	+2 to +6V

DXC-637 (J,UC)  
DXC-637P (EK)

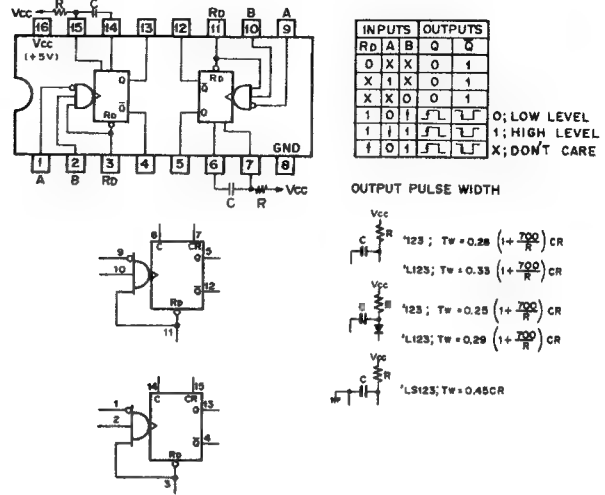
## SN74HC574ANS (TI) FLAT PACKAGE

C-MOS 3-STATE D-TYPE EDGE-TRIGGERED FLIP-FLOP  
- TOP VIEW -

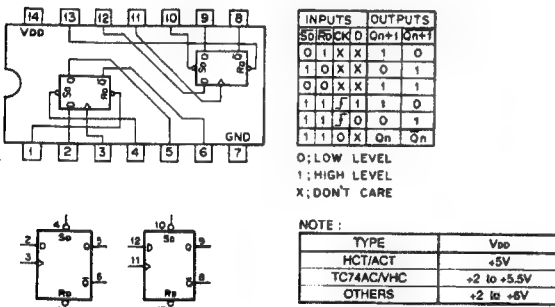
NOTE:

TYPE	V <sub>DD</sub>
74AC/74HC	+2 to +6V
74ACT/74FCT /74HCT	+5V
TC74AC574F TC74VHC574	+2 to +5.5V

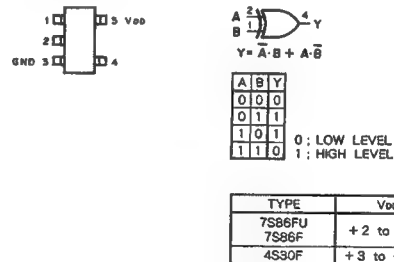
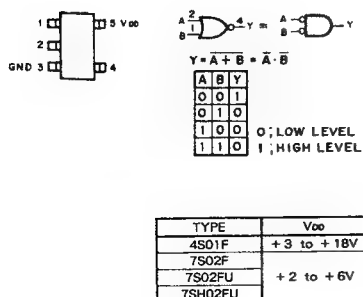
## SN74LS123NS (TI) FLAT PACKAGE

TTL RETRIGGERABLE MONOSTABLE MULTIVIBRATORS WITH DIRECT RESET  
- TOP VIEW -

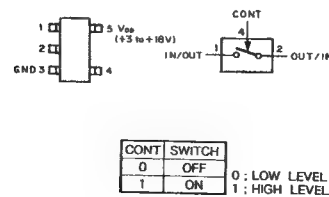
## SN74HC74APW (TI) FLAT PACKAGE

C-MOS DUAL D-TYPE FLIP-FLOPS WITH DIRECT SET/RESET  
- TOP VIEW -

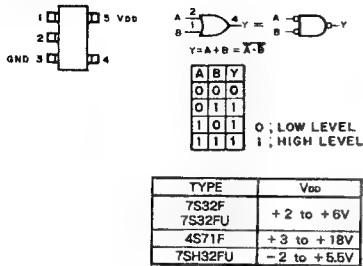
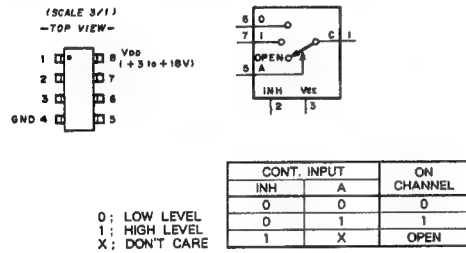
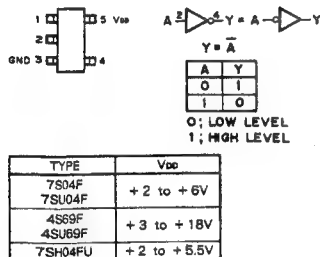
## TC4S30F (TOSHIBA) CHIP PACKAGE

C-MOS 2-INPUT EXCLUSIVE OR GATE  
- TOP VIEW -TC4S01F (TOSHIBA) CHIP PACKAGE  
TC7S02F (TOSHIBA) CHIP PACKAGEC-MOS 2-INPUT NOR GATE  
- TOP VIEW -

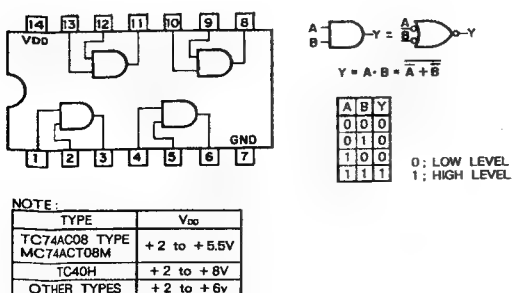
## TC4S86F (TOSHIBA) CHIP PACKAGE

C-MOS BILATERAL ANALOG SWITCH  
- TOP VIEW -

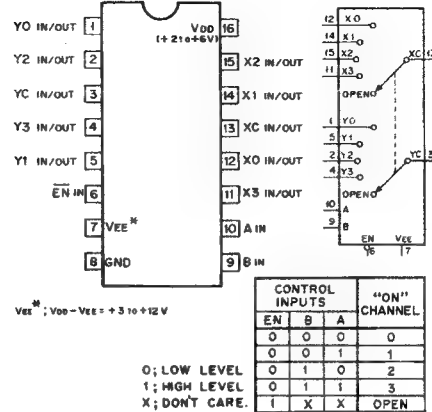
## TC4S71F (TOSHIBA) CHIP PACKAGE

C-MOS 2-INPUT OR GATE  
- TOP VIEW -TC4W53F (TOSHIBA) CHIP PACKAGE  
TC4W53FU (TOSHIBA) CHIP PACKAGEC-MOS 2-CHANNEL MULTIPLEXER/DEMULTIPLEXER  
- TOP VIEW -TC4S69F (TOSHIBA) CHIP PACKAGE  
TC7S04F (TOSHIBA) CHIP PACKAGEC-MOS INVERTER  
- TOP VIEW -

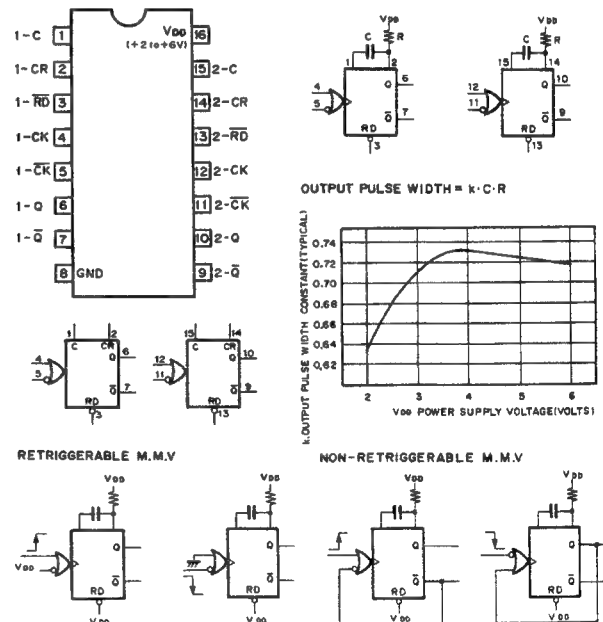
## TC74VHC08FS (TOSHIBA) FLAT PACKAGE (SMALL)

C-MOS QUAD 2-INPUT AND GATES  
- TOP VIEW -

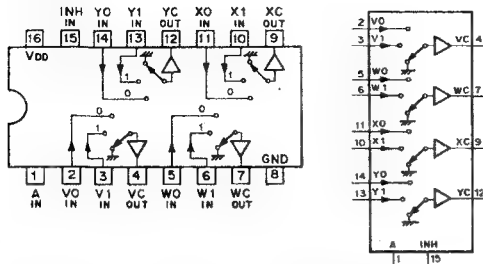
## TC74HC4052AFS (TOSHIBA) FLAT PACKAGE

C-MOS DUAL 4-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER  
- TOP VIEW -

## TC74HC4538AFS (TOSHIBA) FLAT PACKAGE

C-MOS DUAL RETRIGGERABLE/NON-RETRIGGERABLE MONOSTABLE MULTIVIBRATOR  
- TOP VIEW -

## TC74VHC157FS (TOSHIBA) FLAT PACKAGE (SMALL)

C-MOS QUAD 2-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER  
- TOP VIEW -

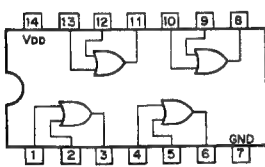
NOTE:

TYPE	V <sub>DD</sub>
74ACT/74FCT	+5V
TC74AC157P TC74AC157	+2 to +5.5V
TC40H	+2 to +8V
OTHER TYPES	+2 to +6V

CONT. IN	ON CHANNEL
INH A	0
0 0	0
0 1	1
1 X	GND

0: LOW LEVEL  
1: HIGH LEVEL  
X: DON'T CARE

## TC74VHC32FS (TOSHIBA) FLAT PACKAGE (SMALL)

C-MOS 2-INPUT OR GATES  
- TOP VIEW -

$$Y = A + B = \overline{A} \cdot \overline{B}$$

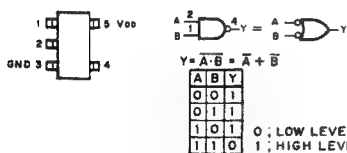
A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

0: LOW LEVEL  
1: HIGH LEVEL

NOTE:

TYPE	V <sub>DD</sub>
AC/VHC	+2 to +5.5V
HC	+2 to +6V

## TC7S00F (MOTOROLA) CHIP PACKAGE

C-MOS 2-INPUT NAND GATE  
- TOP VIEW -

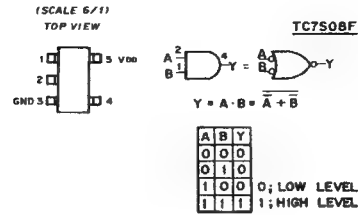
A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

0: LOW LEVEL  
1: HIGH LEVEL

TYPE	V <sub>DD</sub>
7S00F 7S00FU	+2 to +6V
4S11F 4SU11F	+3 to +18V
7SH00FU	+2 to +5.5V

TC7S08F (TOSHIBA) CHIP PACKAGE  
TC7S08FU (TOSHIBA) CHIP PACKAGE  
TC7SH08FU (TOSHIBA) CHIP PACKAGE

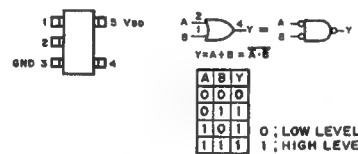
C-MOS 2-INPUT AND GATE



A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

0: LOW LEVEL  
1: HIGH LEVEL

TYPE	V <sub>DD</sub>
7S08F 7S08FU	+2 to +6V
4S81F 14S81F	+3 to +18V
7SH08FU	+2 to +5.5V

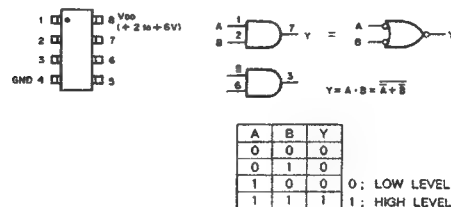
TC7S32F (TOSHIBA) CHIP PACKAGE  
TC7SH32FU (TOSHIBA) CHIP PACKAGEC-MOS 2-INPUT OR GATE  
- TOP VIEW -

A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

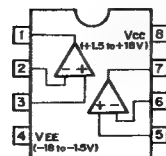
0: LOW LEVEL  
1: HIGH LEVEL

TYPE	V <sub>DD</sub>
7S32F 7S32FU	+2 to +6V
4S71F	+3 to +18V
7SH32FU	+2 to +5.5V

## TC7W08FU (TOSHIBA) CHIP PACKAGE

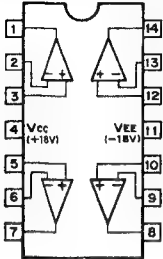
C-MOS 2-INPUT AND GATE  
- TOP VIEW -

A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

0: LOW LEVEL  
1: HIGH LEVELTL062CPS (TI) FLAT PACKAGE  
TL062CPW (TI) FLAT PACKAGEOPERATIONAL AMPLIFIER (J FET INPUT)  
- TOP VIEW -

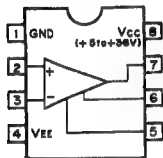
TL064CNS (TI) FLAT PACKAGE  
TL064CPW (TI)

OPERATIONAL AMPLIFIER (J FET INPUT)  
- TOP VIEW -



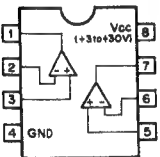
UPC311G2 (NEC) FLAT PACKAGE

VOLTAGE COMPARATOR  
- TOP VIEW -



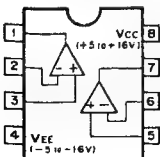
UPC358G2 (NEC) FLAT PACKAGE

DUAL OPERATIONAL AMPLIFIERS  
- TOP VIEW -



UPC812G2 (NEC) FLAT PACKAGE

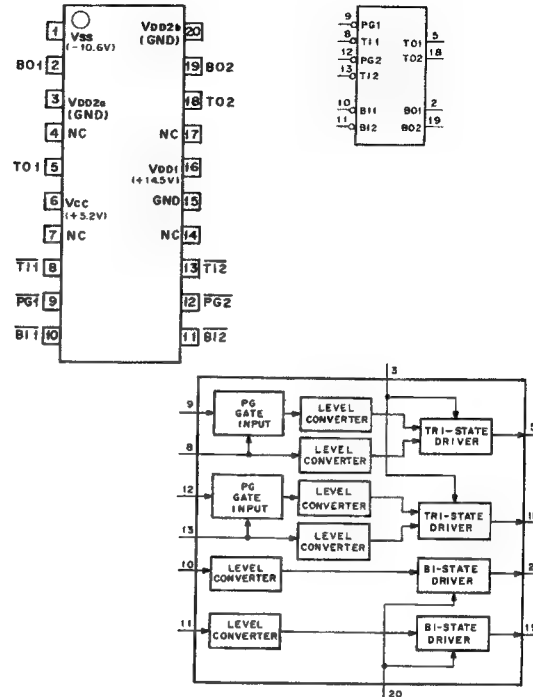
OPERATIONAL AMPLIFIER (J FET INPUT)  
- TOP VIEW -



DXC-637 (J,UC)  
DXC-637P (EK)

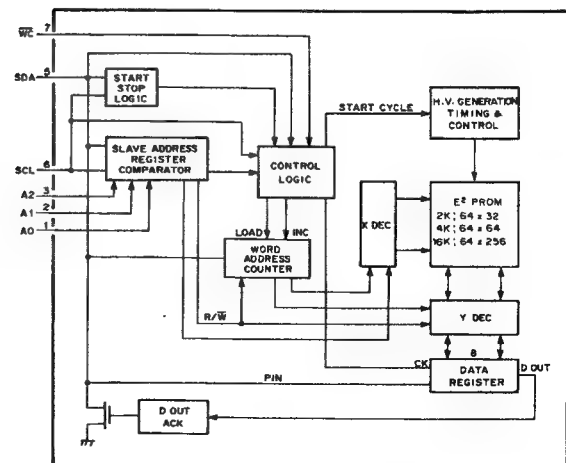
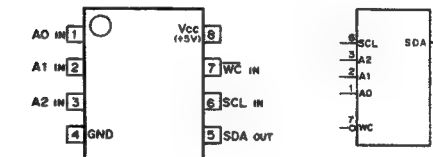
UPD16502GS (NEC) FLAT PACKAGE

C-MOS CGD DRIVER  
- TOP VIEW -



X24C02S-3.0 (XICOR) (2K BIT) FLAT PACKAGE

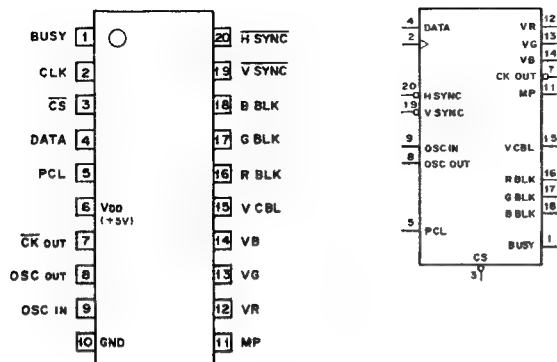
C-MOS SERIAL EEPROM  
- TOP VIEW -



## UPD6453GT (NEC) FLAT PACKAGE

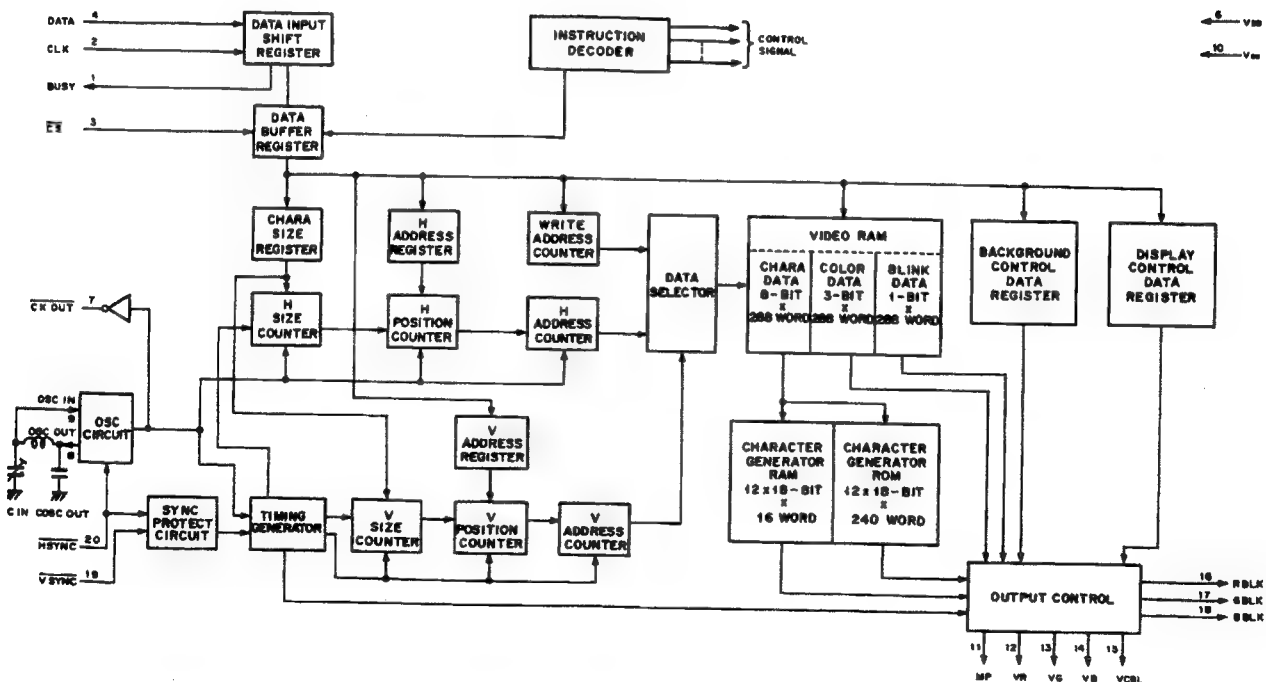
C-MOS ON-SCREEN CHARACTER DISPLAY

- TOP VIEW -



INPUT  
 CLK : CLOCK  
 CS : CHIP SELECT  
 DATA : SERIAL DATA  
 H SYNC : HORIZONTAL SYNC  
 OSC IN : OSCILLATOR IN  
 PCL : POWER ON CLEAR  
 V SYNC : VERTICAL SYNC

OUTPUT  
 BBLK, RBLK, GBLK : B, R, G, BLANKING  
 BUSY : BUSY OUT  
 CK OUT : CLOCK  
 MP : MASK PULSE  
 OSC OUT : OSCILLATOR OUT  
 VR, VG, VB : R, G, B, CHARACTER DATA  
 VCBL : VIDEO CUT BLANKING




## SECTION D

### SPARE PARTS

#### PARTS INFORMATION

##### 1. Safety Related Component Warning

Components identified by shading marked with  on the schematic diagrams, exploded views and electrical spare parts list are critical to safe operation. Replace these components with Sony parts whose parts numbers appear as shown in this manual or in service manual supplements published by Sony.

2. Replacement Parts supplied from Sony Parts Center will sometimes have different shape and outside view from the parts which actually in use. This is due to **“accommodating the improved parts and/or engineering changes”** or **“standardization of genuine parts.”** This manual's exploded view and electrical spare parts lists are indicating the parts numbers of “the standardized genuine parts at present.” Regarding engineering parts and diagrams changes in our engineering department, refer to SONY service bulletins and service manual supplements.
3. The parts marked with “S” in the SP column of the exploded views and electrical spare parts list are normally required for routine service work. Orders for parts marked with “O” will be processed, but allow for additional delivery time.
4. Item with no parts number and/or no description are not stocked because they are seldom required for routine service.
5. All capacitors are in micro farads unless otherwise specified.  
All inductors are in micro henries unless otherwise specified.  
All resistors are in ohms.

## EXPLODED VIEW

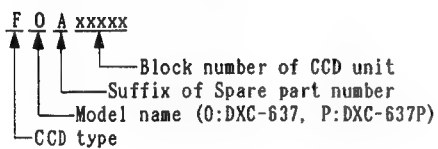
### CCD BLOCK

No.	Part No.	SP Description
1	A-8274-722-A s	CCD UNIT-C637(N) (FOR DXC-637) *1
2	A-8274-723-A s	CCD UNIT-C637P(P) (FOR DXC-637P) *2
3	A-8310-946-A o	MOUNTED CIRCUIT BOARD, SE-234
4	A-8310-963-A o	MOUNTED CIRCUIT BOARD, CN-1173
5	1-547-259-11 o	FILTER UNIT, OPTICAL
6	1-954-548-11 o	HARNESS, SUB (FL)
7	3-178-213-21 s	SCREW (M3X10), +B
8	3-672-221-02 s	PACKING, CONTROL
9	3-676-244-00 s	COVER, SWITCH
10	3-678-629-00 s	LEVER, MOUNT
11	3-678-684-00 o	HOLDER, CABLE
12	3-686-185-01 o	PANEL, FRONT
13	3-686-191-01 o	PLATE, FILTER-ID
14	3-686-265-01 o	FINGER, SHIELD
15	3-686-269-02 s	STOPPER, MOUNT
16	3-688-781-02 s	KNOB, FILTER
17	3-699-048-01 s	CAP, MOUNT
18	3-701-506-01 s	SET SCREW, DOUBLE POINT 3X4
19	3-708-987-01 s	RING, BAYONET
20	7-627-452-38 s	SCREW, PRECISION +K 2X5
21	7-627-553-48 s	SCREW, PRECISION +P 2X4
22	7-627-556-58 s	SCREW, PRECISION +P 2.6X5

\*1 CCD BLOCK No. FOA xxxxx

\*2 CCD BLOCK No. FPA xxxxx

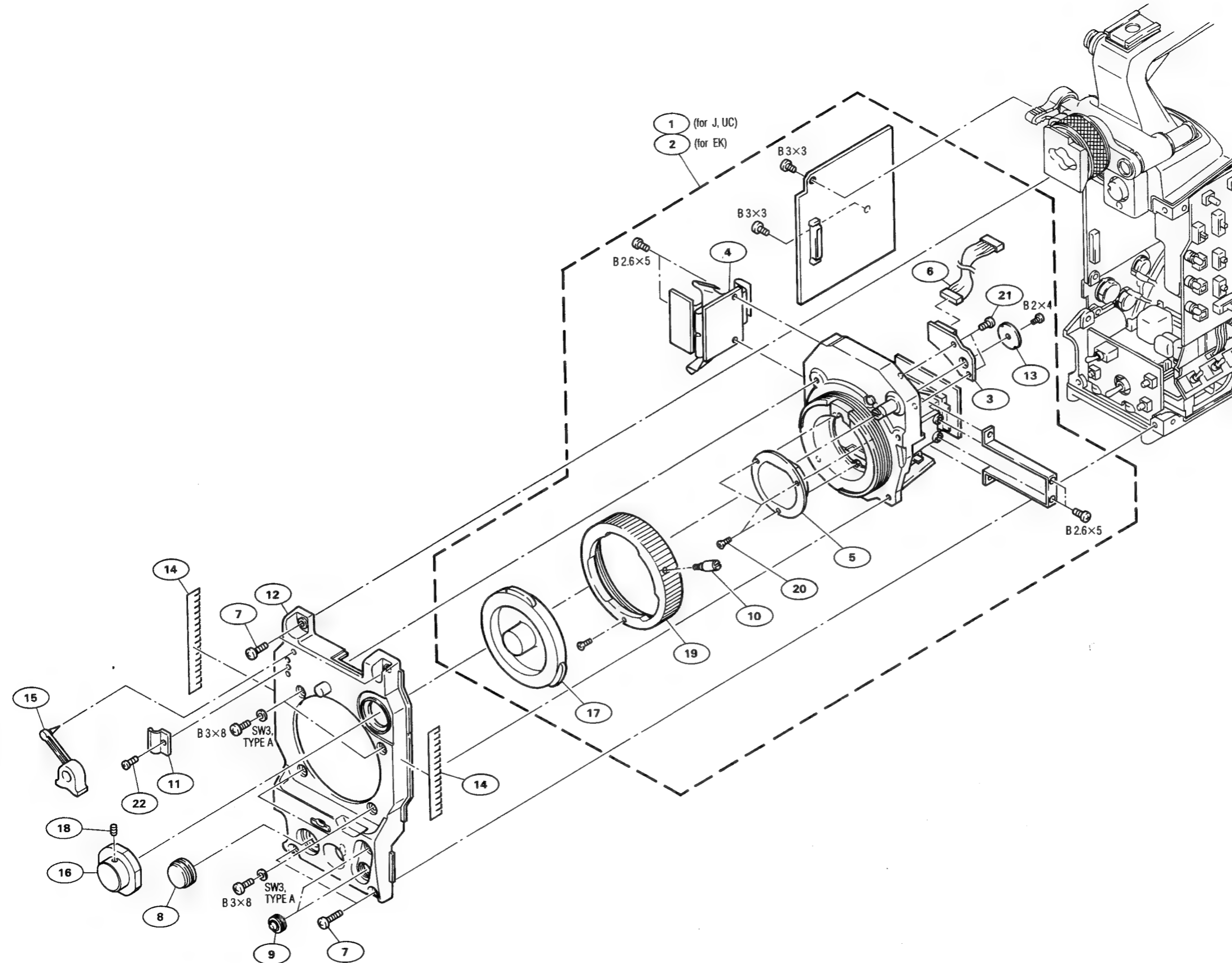
How to read the CCD BLOCK No.



CCD BLOCK

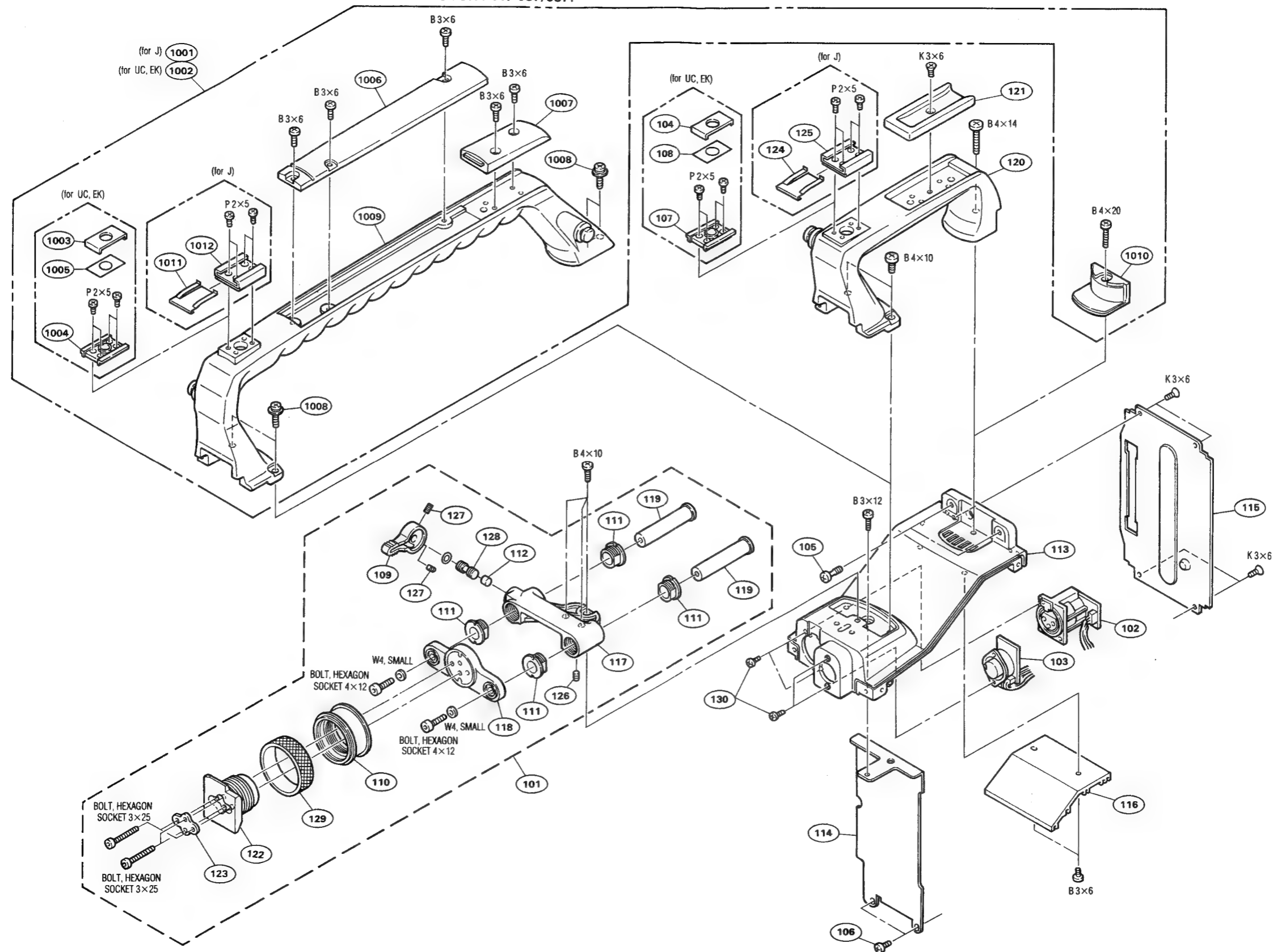
CCD BLOCK

# CCD BLOCK



## HANDLE BLOCK

## HANDLE BLOCK



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HANDLE BLOCK  
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No.	Part No.	SP Description
101	A-8278-153-C	o SLIDE ASSY, VF
102	A-8310-949-A	o MOUNTED CIRCUIT BOARD, CN-1106
103	A-8310-964-A	o MOUNTED CIRCUIT BOARD, CN-1107
104	2-277-468-01	o PLATE, ORNAMENTAL, CAMERA SHOE (FOR DXC-637;UC, DXC-637P)
105	3-175-715-02	s SCREW, FITTING, ADAPTOR
106	3-178-214-01	s SCREW (M3X6), +B
107	3-657-700-00	s BRACKET, ACCESSORY (FOR DXC-637;UC, DXC-637P)
108	3-672-213-00	o SHEET, ADHESIVE (FOR DXC-637;UC, DXC-637P)
109	3-673-046-00	s LEVER, LOCK
110	3-679-543-11	o RING(D), LOCK
111	3-679-684-01	o REST, ARM
112	3-679-702-01	o CUSION, STOPPER
113	3-686-183-01	o CHASSIS, TOP
114	3-686-184-01	o DIVIDER
115	3-686-192-02	o PLATE, REAR
116	3-686-193-01	o RAIL, TOP
117	3-686-195-03	o SLIDEBASE, VF
118	3-686-196-02	o RETAINER, VF SHOE
119	3-686-197-01	o ARM, SLIDE
120	3-686-253-02	o HANDLE
121	3-686-254-01	o PLATE, BLIND
122	3-686-261-02	s SHOE3, VF SLIDE
123	3-687-070-01	o WASHER, SHOE
124	3-688-754-11	o SPRING, SHOE (FOR DXC-637;J)
125	3-688-755-12	o SHOE, ACCESSORY (FOR DXC-637;J)
126	3-701-506-01	s SET SCREW, DOUBLE POINT 3X4
127	3-701-508-00	s SET SCREW, DOUBLE POINT 3X6
128	3-711-794-01	o PIN, STOPPER
129	3-720-919-01	o RUBBER, LOCK RING
130	7-627-556-57	s SCREW, PRECISION +P 2.6X5 TYPE1

- SPARE PARTS FOR PVW-637 -

No.	Part No.	SP Description
1001	A-8274-969-A	s HANDLE ASSY (FOR PVW-637;UC, PVW-637P)
1002	A-8274-970-A	s HANDLE ASSY (FOR PVW-637;J)
1003	2-277-468-01	o PLATE, ORNAMENTAL, CAMERA SHOE (FOR PVW-637;UC, PVW-637P)
1004	3-657-700-00	s BRACKET, ACCESSORY (FOR PVW-637;UC, PVW-637P)
1005	3-672-213-00	o SHEET, ADHESIVE (FOR PVW-637;UC, PVW-637P)
1006	3-679-035-01	o LID, HANDLE
1007	3-679-036-01	o LID, HANDLE (2)
1008	3-685-694-01	s NYLOCK +PSW M4
1009	3-686-381-02	o HANDLE, (PVW)
1010	3-686-382-01	s PLATE, BLIND
1011	3-688-754-11	o SPRING, SHOE (FOR PVW-637;J)
1012	3-688-755-12	o SHOE, ACCESSORY (FOR PVW-637;J)

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CHASSIS (1) BLOCK  
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No.	Part No.	SP Description
201	A-7612-352-E	s SHOE (A) ASSY, V
202	A-8278-155-A	o CHASSIS ASSY, BASE
203	A-8310-947-A	o MOUNTED CIRCUIT BOARD, SW-728
204	A-8310-948-A	o MOUNTED CIRCUIT BOARD, FP-68
205	A-8310-950-A	o MOUNTED CIRCUIT BOARD, PSW-30
206	A-8310-959-A	o MOUNTED CIRCUIT BOARD, AA-81
207	X-3166-928-1	s SHOE ASSY, STOPPER
208	1-507-858-31	o JACK, PIN 1P "MONITOR OUT"
209	1-561-781-11	s CONNECTOR, BNC "VIDEO OUT"
210	1-562-782-21	s CONNECTOR, 10P FEMALE "REMOTE"
211	1-563-947-11	s CONNECTOR, 12P FEMALE "LENS"
212	1-954-549-12	o HARNESS, SUB (LENS)
213	1-954-550-13	o HARNESS, SUB (CNP)
214	3-175-715-02	s SCREW, FITTING, ADAPTOR
215	3-178-214-01	s SCREW (M3X6), +B
216	3-566-903-02	s SPRING
217	3-686-179-01	o PB RAIL, LOWER
218	3-686-181-01	o BRACKET, SW724
219	3-686-257-01	s PAD, SHOULDER
220	3-687-193-01	o SPRING 1
221	3-687-194-01	o SPRING 2
222	3-710-002-01	o BRACKET
223	3-711-703-01	o STOPPER
224	3-716-391-01	o WEDGE, MOUNTING
225	3-729-065-04	s SHOE (A), CAMERA
226	3-892-114-00	s RING (DIA. 3), 0
227	4-924-260-01	o BOSS (D)

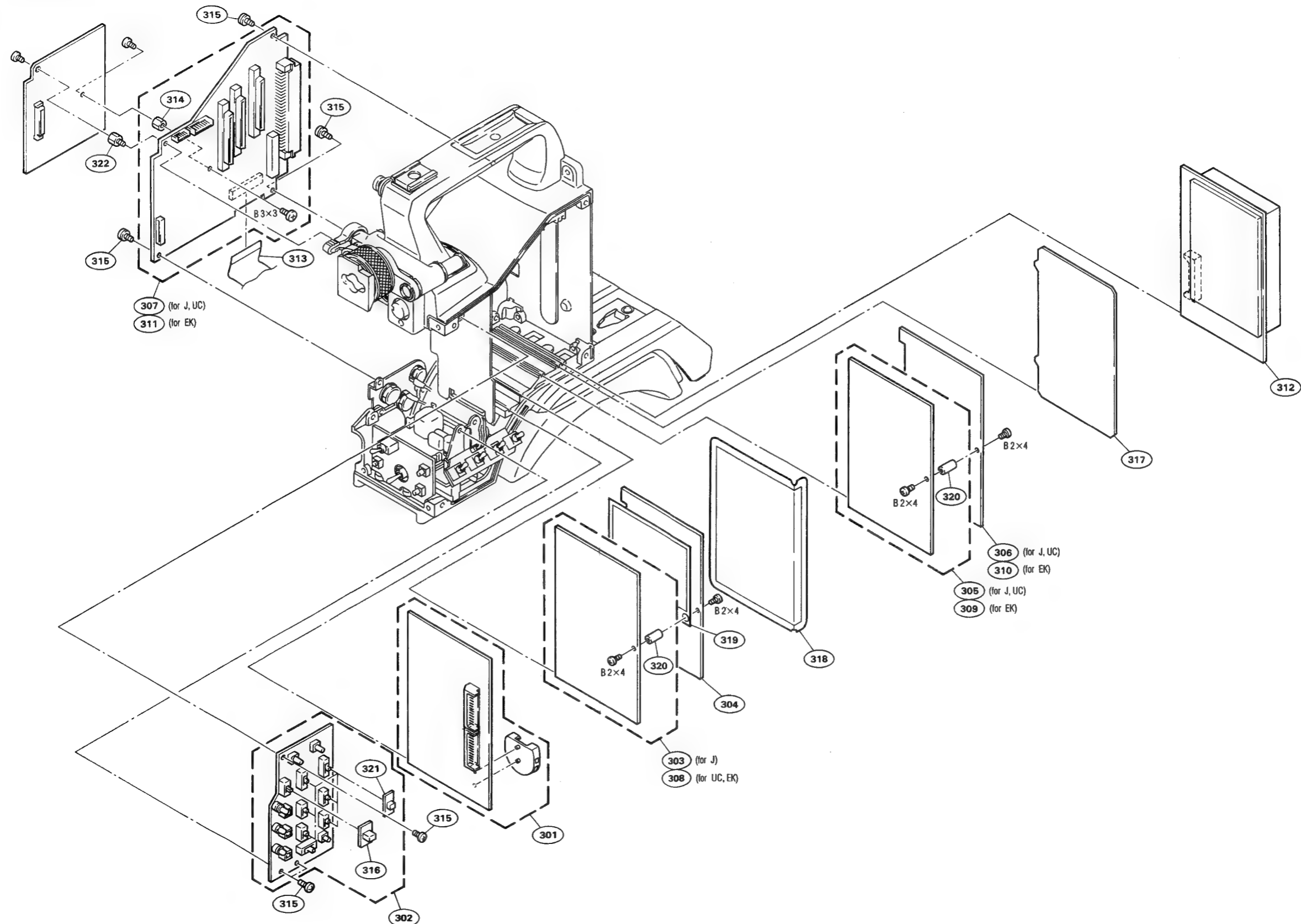
## CHASSIS (1) BLOCK

[illegible]

PRINTED CIRCUIT BOARD

PRINTED CIRCUIT BOARD

# PRINTED CIRCUIT BOARD



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 PRINTED CIRCUIT BOARD  
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No.	Part No.	SP Description
301	A-8310-952-A	o MOUNTED CIRCUIT BOARD, AT-93
302	A-8310-953-A	o MOUNTED CIRCUIT BOARD, SW-724
303	A-8310-954-A	o MOUNTED CIRCUIT BOARD, PR-209 (FOR DXC-637;UC)
304	A-8310-955-A	o MOUNTED CIRCUIT BOARD, IE-47
305	A-8310-956-A	o MOUNTED CIRCUIT BOARD, EN-122 (N) (FOR DXC-637)
306	A-8310-957-A	o MOUNTED CIRCUIT BOARD, SG-232 (N) (FOR DXC-637)
307	A-8310-958-A	o MOUNTED CIRCUIT BOARD, MB-597 (N) (FOR DXC-637)
308	A-8310-968-A	o MOUNTED CIRCUIT BOARD, PR-209 (FOR DXC-637;J, DXC-637P)
309	A-8310-976-A	o MOUNTED CIRCUIT BOARD, EN-122 (P) (FOR DXC-637P)
310	A-8310-977-A	o MOUNTED CIRCUIT BOARD, SG-232 (P) (FOR DXC-637P)
311	A-8310-978-A	o MOUNTED CIRCUIT BOARD, MB-597 (P) (FOR DXC-637P)
312	1-473-244-11	s CONVERTER UNIT, DC-DC
313	1-769-710-11	o CABLE, FLAT (1 MM)
314	2-280-622-01	o SUPPORT(M3), HEXAGON
315	3-178-214-01	s SCREW (M3X6), +B
316	3-686-186-01	o KNOB, MODE-SW
317	3-686-199-02	o PLATE, SHIELD-PS
318	3-686-256-02	o PLATE, SHIELD2
319	3-687-169-01	o PLATE, IE-SHIELD
320	3-699-005-01	o SUPPORT, TG-18
321	3-717-900-01	o KNOB(A)(TC), SW
322	4-924-260-01	o BOSS (D)

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CHASSIS (2) BLOCK  
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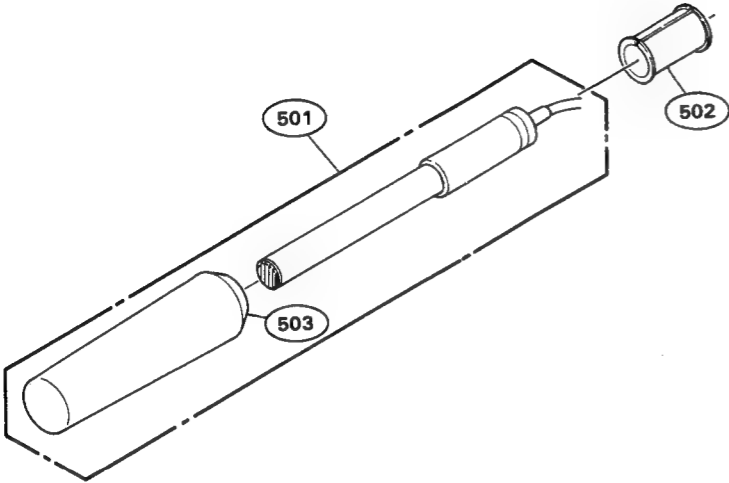
No.	Part No.	SP Description
401	A-8278-151-A	o PANEL ASSY, LEFT
402	A-8278-152-B	o PANEL ASSY, RIGHT
403	X-3678-272-1	o PLATE ASSY
404	3-174-408-01	o LABEL, FILTER
405	3-176-138-01	o EMBLEM, HYPER HAD
406	3-178-213-11	s SCREW (M3X8), +B
407	3-178-213-21	s SCREW (M3X10), +B
408	3-178-213-41	s SCREW (M3X14), +B
409	3-676-244-00	s COVER, SWITCH
410	3-686-188-01	o LABEL, POWER
411	3-686-189-02	o LID, SIDE
412	3-686-190-01	o PLATE, ATW-SW
413	3-686-194-01	s PAD, SIDE
414	3-686-255-01	o PLATE, GAIN-SW
415	3-686-262-01	o PLATE, LOCK
416	3-686-268-01	s COVER 2, SW
417	3-942-866-01	s NUT (M3) (3X0.5), NYLON

## CHASSIS (2) BLOCK

Exploded view diagram of a mechanical assembly, showing various components and their assembly points. The diagram includes the following labeled parts:

- 401**: Top frame component.
- 407**: Screws used for assembly.
- W2.6, NYLON**: Nylon bushings or spacers.
- B3x8**: Screws used for assembly.
- 405**: Small rectangular plate.
- 408**: Screws used for assembly.
- NUT, PUSH 1.5**: Push nuts.
- 402**: Main body component.
- B2x4**: Screws used for assembly.
- LW2, TYPE A**: A specific type of screw or washer.
- 403**: Component with multiple mounting holes.
- 409**: Screws used for assembly.
- 411**: Flat rectangular plate.
- W2.6, NYLON**: Nylon bushings or spacers.
- BTP 3x6**: Screws used for assembly.
- 407**: Screws used for assembly.
- 413**: Component with a curved surface.
- 404**: Small rectangular plate.
- 416**: Screws used for assembly.
- 412**: Component with multiple mounting holes.
- 414**: Component with multiple mounting holes.
- 415**: Screws used for assembly.
- W2.6, NYLON**: Nylon bushings or spacers.
- 417**: Screws used for assembly.
- 410**: Component with multiple mounting holes.
- 406**: Screws used for assembly.

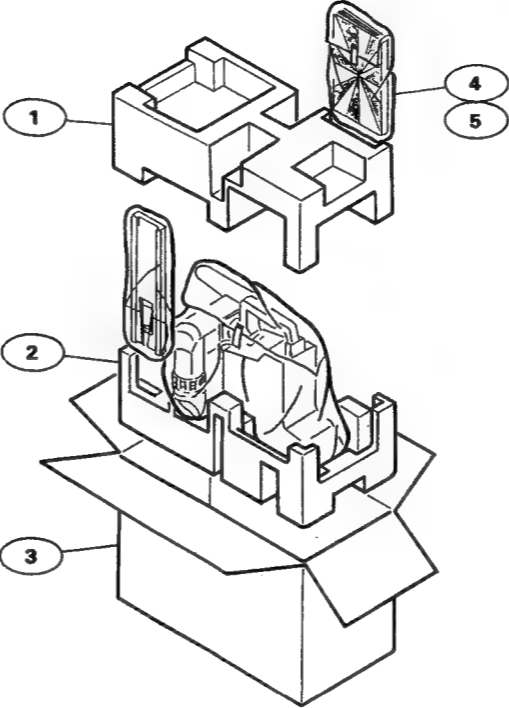
MICROPHONE



MICROPHONE

No.	Part No.	SP Description
501	1-542-233-11	o MICROPHONE
502	3-179-882-01	o SPACER, MICROPHONE
503	3-708-875-01	s SCREEN, WIND

PACKING MATERIAL AND ACCESSORIES

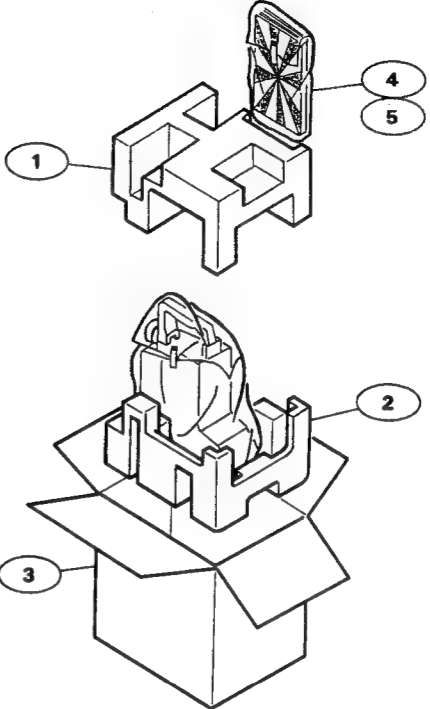


DXC-637K/637PK

No.	Part No.	SP Description
1	3-687-064-01	o CUSHION(TOP)
2	3-687-069-01	o CUSHION(BOTTOM)
3	3-687-065-01	o INDIVIDUAL CARTON (FOR DXC-637K)
	3-687-066-01	o INDIVIDUAL CARTON (FOR DXC-637PK)
4	3-764-889-01	o CHART, ADJUSTMENT
5	3-798-644-01	s MANUAL, INSTRUCTION (JAPANESE)
	3-798-644-21	s MANUAL, INSTRUCTION (ENGLISH)
	3-798-644-31	s MANUAL, INSTRUCTION (FRENCH)
	3-798-644-41	s MANUAL, INSTRUCTION (GERMAN)
	3-798-644-51	s MANUAL, INSTRUCTION (ITALIAN)
	3-798-644-61	s MANUAL, INSTRUCTION (CHINESE)

DXC-637L/637PL

No.	Part No.	SP Description
1	3-687-064-01	o CUSHION(TOP)
2	3-687-069-01	o CUSHION(BOTTOM)
3	3-687-067-01	o INDIVIDUAL CARTON (FOR DXC-637L)
	3-687-068-01	o INDIVIDUAL CARTON (FOR DXC-637PL)
4	3-764-889-01	o CHART, ADJUSTMENT
5	3-798-644-01	s MANUAL, INSTRUCTION (JAPANESE)
	3-798-644-21	s MANUAL, INSTRUCTION (ENGLISH)
	3-798-644-31	s MANUAL, INSTRUCTION (FRENCH)
	3-798-644-41	s MANUAL, INSTRUCTION (GERMAN)
	3-798-644-51	s MANUAL, INSTRUCTION (ITALIAN)
	3-798-644-61	s MANUAL, INSTRUCTION (CHINESE)



DXC-637H/637PH

No.	Part No.	SP Description
1	3-687-176-01	o CUSHION(TOP)
2	3-687-177-01	o CUSHION(BOTTOM)
3	3-687-178-01	o INDIVIDUAL CARTON (FOR DXC-637H)
	3-687-179-01	o INDIVIDUAL CARTON (FOR DXC-637PH)
4	3-764-889-01	o CHART, ADJUSTMENT
5	3-798-644-01	s MANUAL, INSTRUCTION (JAPANESE)
	3-798-644-21	s MANUAL, INSTRUCTION (ENGLISH)
	3-798-644-31	s MANUAL, INSTRUCTION (FRENCH)
	3-798-644-41	s MANUAL, INSTRUCTION (GERMAN)
	3-798-644-51	s MANUAL, INSTRUCTION (ITALIAN)
	3-798-644-61	s MANUAL, INSTRUCTION (CHINESE)

## ELECTRICAL PARTS

### RESISTOR, CHIP METAL

Part No. SP Description

1-218-648-11	s	RES, CHIP METAL 15	0.50%	1/16W
1-218-650-11	s	RES, CHIP METAL 18	0.50%	1/16W
1-218-651-11	s	RES, CHIP METAL 20	0.50%	1/16W
1-218-653-11	s	RES, CHIP METAL 24	0.50%	1/16W
1-218-655-11	s	RES, CHIP METAL 30	0.50%	1/16W
1-218-659-11	s	RES, CHIP METAL 43	0.50%	1/16W
1-218-660-11	s	RES, CHIP METAL 47	0.50%	1/16W
1-218-661-11	s	RES, CHIP METAL 51	0.50%	1/16W
1-218-663-11	s	RES, CHIP METAL 62	0.50%	1/16W
1-218-664-11	s	RES, CHIP METAL 68	0.50%	1/16W
1-218-668-11	s	RES, CHIP METAL 100	0.50%	1/16W
1-218-670-11	s	RES, CHIP METAL 120	0.50%	1/16W
1-218-671-11	s	RES, CHIP METAL 130	0.50%	1/16W
1-218-672-11	s	RES, CHIP METAL 150	0.50%	1/16W
1-218-675-11	s	RES, CHIP METAL 200	0.50%	1/16W
1-218-676-11	s	RES, CHIP METAL 220	0.50%	1/16W
1-218-677-11	s	RES, CHIP METAL 240	0.50%	1/16W
1-218-679-11	s	RES, CHIP METAL 300	0.50%	1/16
1-218-680-11	s	RES, CHIP METAL 330	0.50%	1/16W
1-218-684-11	s	RES, CHIP METAL 470	0.50%	1/16W
1-218-688-11	s	RES, CHIP METAL 680	0.50%	1/16W
1-218-692-11	s	RES, CHIP METAL 1K	0.50%	1/16W
1-218-694-11	s	RES, CHIP METAL 1.2K	0.50%	1/16W
1-218-695-11	s	RES, CHIP METAL 1.3K	0.50%	1/16W
1-218-697-11	s	RES, CHIP METAL 1.6K	0.50%	1/16W
1-218-698-11	s	RES, CHIP METAL 1.8K	0.50%	1/16W
1-218-699-11	s	RES, CHIP METAL 2K	0.50%	1/16W
1-218-700-11	s	RES, CHIP METAL 2.2K	0.50%	1/16W
1-218-701-11	s	RES, CHIP METAL 2.4K	0.50%	1/16W
1-218-702-11	s	RES, CHIP METAL 2.7K	0.50%	1/16W
1-218-704-11	s	RES, CHIP METAL 3.3K	0.50%	1/16W
1-218-705-11	s	RES, CHIP METAL 3.6K	0.50%	1/16W
1-218-706-11	s	RES, CHIP METAL 3.9K	0.50%	1/16W
1-218-707-11	s	RES, CHIP METAL 4.3K	0.50%	1/16W
1-218-708-11	s	RES, CHIP METAL 4.7K	0.50%	1/16W
1-218-710-11	s	RES, CHIP METAL 5.6K	0.50%	1/16W
1-218-714-11	s	RES, CHIP METAL 8.2K	0.50%	1/16W
1-218-716-11	s	RES, CHIP METAL 10K	0.50%	1/16W
1-218-717-11	s	RES, CHIP METAL 11K	0.50%	1/16W
1-218-720-11	s	RES, CHIP METAL 15K	0.50%	1/16W
1-218-721-11	s	RES, CHIP METAL 16K	0.50%	1/16W
1-218-722-11	s	RES, CHIP METAL 18K	0.50%	1/16W
1-218-723-11	s	RES, CHIP METAL 20K	0.50%	1/16W
1-218-724-11	s	RES, CHIP METAL 22K	0.50%	1/16W
1-218-725-11	s	RES, CHIP METAL 24K	0.50%	1/16W
1-218-727-11	s	RES, CHIP METAL 30K	0.50%	1/16W
1-218-729-11	s	RES, CHIP METAL 36K	0.50%	1/16W
1-218-730-11	s	RES, CHIP METAL 39K	0.50%	1/16W
1-218-732-11	s	RES, CHIP METAL 47K	0.50%	1/16W
1-218-733-11	s	RES, CHIP METAL 51K	0.50%	1/16W

### RESISTOR, CHIP METAL

Part No. SP Description

1-218-734-11	s	RES, CHIP METAL 56K	0.50%	1/16W
1-218-735-11	s	RES, CHIP METAL 62K	0.50%	1/16W
1-218-736-11	s	RES, CHIP METAL 68K	0.50%	1/16W
1-218-738-11	s	RES, CHIP METAL 82K	0.50%	1/16W
1-218-739-11	s	RES, CHIP METAL 91K	0.50%	1/16W
1-218-740-11	s	RES, CHIP METAL 100K	0.50%	1/16W
1-218-741-11	s	RES, CHIP METAL 110K	0.50%	1/16W
1-218-743-11	s	RES, CHIP METAL 130K	0.50%	1/16W
1-218-744-11	s	RES, CHIP METAL 150K	0.50%	1/16W
1-218-745-11	s	RES, CHIP METAL 160K	0.50%	1/16W
1-218-746-11	s	RES, CHIP METAL 180K	0.50%	1/16W
1-218-747-11	s	RES, CHIP METAL 200K	0.50%	1/16W
1-218-748-11	s	RES, CHIP METAL 220K	0.50%	1/16W
1-218-749-11	s	RES, CHIP METAL 240K	0.50%	1/16W
1-218-750-11	s	RES, CHIP METAL 270K	0.50%	1/16W
1-218-751-11	s	RES, CHIP METAL 300K	0.50%	1/16W
1-218-752-11	s	RES, CHIP METAL 330K	0.50%	1/16W

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AA-81 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8310-959-A	o MOUNTED CIRCUIT BOARD, AA-81
C1	1-104-913-11	s TANTALUM 10uF 20% 16V
C2	1-104-913-11	s TANTALUM 10uF 20% 16V
C3	1-104-551-11	s FILM 0.01uF 5% 16V
C4	1-104-551-11	s FILM 0.01uF 5% 16V
C5	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C6	1-126-393-11	s ELECT 33uF 20% 10V
C7	1-126-393-11	s ELECT 33uF 20% 10V
C8	1-126-338-11	s ELECT 47uF 20% 63V
C9	1-137-401-11	s FILM 0.22uF 5% 100V
C10	1-137-401-11	s FILM 0.22uF 5% 100V
C11	1-104-563-11	s FILM, CHIP 0.1uF 5% 16V
C12	1-104-563-11	s FILM, CHIP 0.1uF 5% 16V
C13	1-104-563-11	s FILM, CHIP 0.1uF 5% 16V
C14	1-104-563-11	s FILM, CHIP 0.1uF 5% 16V
C15	1-163-038-91	s CERAMIC 0.1uF 25V
C16	1-161-900-11	s CERAMIC 1uF 50V
CN1	1-506-469-11	s CONNECTOR, 4P, MALE
CN2	1-564-014-11	s CONNECTOR 4P, MALE
CN3	1-506-473-11	o CONNECTOR, 8P, MALE
CN4	1-564-002-11	s PIN, CONNECTOR 3P
CN5	1-568-801-11	s CONNECTOR, FPC (ZIF) 24P
CN6	1-506-468-11	s CONNECTOR, 3P, MALE
D1	8-719-800-76	s DIODE 1SS226
D2	8-719-800-76	s DIODE 1SS226
FB1	1-543-775-11	s FILTER, EMI
FB2	1-543-775-11	s FILTER, EMI
FB3	1-543-775-11	s FILTER, EMI
FB4	1-543-775-11	s FILTER, EMI
IC1	8-759-209-57	s IC TC4S69F
IC2	8-759-076-06	s IC TL064CPW
IC3	8-759-700-09	s IC NJM2043M-D
IC4	8-759-082-61	s IC TC4W53FU
IC5	8-759-082-61	s IC TC4W53FU
IC6	8-759-082-61	s IC TC4W53FU
IC7	8-759-082-61	s IC TC4W53FU
L1	1-410-369-11	s INDUCTOR CHIP 1uH
Q1	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q2	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q3	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q4	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q5	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q6	8-729-905-24	s TRANSISTOR 2SA1576S
Q7	8-729-905-24	s TRANSISTOR 2SA1576S
R2	1-216-017-00	s METAL, CHIP 47 5% 1/10W
R3	1-216-017-00	s METAL, CHIP 47 5% 1/10W
R4	1-216-089-00	s METAL, CHIP 47K 5% 1/10W
R5	1-208-806-11	s METAL 10K 0.50% 1/10W
R6	1-216-089-00	s METAL, CHIP 47K 5% 1/10W
R7	1-216-051-00	s METAL, CHIP 1.2K 5% 1/10W
R8	1-216-105-91	s METAL 220K 5% 1/10W
R9	1-208-806-11	s METAL 10K 0.50% 1/10W
R10	1-216-611-11	s METAL, CHIP 22 0.5% 1/10W
R11	1-208-806-11	s METAL 10K 0.50% 1/10W

(AA-81 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R12	1-208-806-11	s METAL 10K 0.50% 1/10W
R13	1-208-806-11	s METAL 10K 0.50% 1/10W
R14	1-216-611-11	s METAL, CHIP 22 0.5% 1/10W
R15	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R16	1-216-671-11	s METAL, CHIP 6.8K 0.5% 1/10W
R17	1-216-671-11	s METAL, CHIP 6.8K 0.5% 1/10W
R18	1-208-806-11	s METAL 10K 0.50% 1/10W
R19	1-208-806-11	s METAL 10K 0.50% 1/10W
R20	1-216-025-91	s METAL 100 5% 1/10W
R21	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R22	1-216-665-11	s METAL, CHIP 3.9K 0.5% 1/10W
R23	1-216-676-11	s METAL, CHIP 11K 0.5% 1/10W
R24	1-216-025-91	s METAL 100 5% 1/10W
R25	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R26	1-216-665-11	s METAL, CHIP 3.9K 0.5% 1/10W
R27	1-216-676-11	s METAL, CHIP 11K 0.5% 1/10W
R28	1-216-089-00	s METAL, CHIP 47K 5% 1/10W
R29	1-216-025-91	s METAL 100 5% 1/10W
R30	1-216-025-91	s METAL 100 5% 1/10W
R31	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R32	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R33	1-208-806-11	s METAL 10K 0.50% 1/10W
R34	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R35	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R36	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R38	1-216-295-00	s METAL 0 5% 1/10W
R39	1-216-115-00	s METAL, CHIP 560K 5% 1/10W
R40	1-216-049-91	s METAL 1K 5% 1/10W
RV1	1-237-035-11	s RES, ADJ, METAL 5K
T1	1-427-487-00	s TRANSFORMER, OUTPUT

Please see page D-13 for the part numbers of resistor that is not the parts list.

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AT-93 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8310-952-A	o MOUNTED CIRCUIT BOARD, AT-93
2pcs	7-627-554-27	s SCREW, PRECITION +P 2X6 TYPE1
BT1	1-550-414-31	s HOLDER, BATTERY
C1	1-104-913-11	s TANTALUM 10uF 20% 16V
C2	1-164-156-11	s CERAMIC 0.1uF 25V
C3	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C4	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C5	1-104-913-11	s TANTALUM 10uF 20% 16V
C6	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C7	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C8	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C9	1-162-964-11	s CERAMIC 0.001uF 10% 50V
C10	1-162-964-11	s CERAMIC 0.001uF 10% 50V
C11	1-164-156-11	s CERAMIC 0.1uF 25V
C12	1-164-156-11	s CERAMIC 0.1uF 25V
C13	1-164-156-11	s CERAMIC 0.1uF 25V
C14	1-162-964-11	s CERAMIC 0.001uF 10% 50V
C15	1-162-964-11	s CERAMIC 0.001uF 10% 50V
C16	1-162-964-11	s CERAMIC 0.001uF 10% 50V
C17	1-162-964-11	s CERAMIC 0.001uF 10% 50V
C18	1-104-913-11	s TANTALUM 10uF 20% 16V
C19	1-104-913-11	s TANTALUM 10uF 20% 16V
C20	1-104-917-11	s TANTALUM 15uF 20% 20V
C21	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C24	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C25	1-126-391-11	s ELECT, CHIP 47uF 20% 6.3V
C26	1-126-391-11	s ELECT, CHIP 47uF 20% 6.3V
C27	1-135-165-11	s TANTALUM, CHIP 33uF 10% 16V
C28	1-135-165-11	s TANTALUM, CHIP 33uF 10% 16V
C29	1-135-165-11	s TANTALUM, CHIP 33uF 10% 16V
C30	1-164-156-11	s CERAMIC 0.1uF 25V
C31	1-104-551-11	s FILM 0.01uF 5% 16V
C32	1-104-913-11	s TANTALUM 10uF 20% 16V
C33	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C34	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C35	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C36	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C37	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C38	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C39	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C41	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C42	1-126-391-11	s ELECT, CHIP 47uF 20% 6.3V
C43	1-164-315-11	s CERAMIC 470PF 5% 50V
C44	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C45	1-104-913-11	s TANTALUM 10uF 20% 16V
C46	1-104-913-11	s TANTALUM 10uF 20% 16V
C47	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C48	1-104-913-11	s TANTALUM 10uF 20% 16V
C49	1-104-913-11	s TANTALUM 10uF 20% 16V
C50	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C51	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C52	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C53	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C54	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C55	1-162-957-11	s CERAMIC 220PF 5% 50V
C58	1-162-964-11	s CERAMIC 0.001uF 10% 50V
C60	1-104-913-11	s TANTALUM 10uF 20% 16V
C61	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V

(AT-93 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C62	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
CN1	1-691-856-11	s CONNECTOR, BOARD TO BOARD 60P
CN2	1-766-790-11	o CONNECTOR 12P
CN3	1-766-790-11	o CONNECTOR 12P
CV1	1-141-424-11	s CAP, ADJ
D1	8-719-404-35	s DIODE MA141WK
D2	8-719-974-76	s DIODE HSM107S
D3	8-719-974-76	s DIODE HSM107S
D4	8-719-404-35	s DIODE MA141WK
D5	8-719-800-76	s DIODE 1SS226
D6	8-719-800-76	s DIODE 1SS226
D7	8-719-974-76	s DIODE HSM107S
D8	8-719-974-76	s DIODE HSM107S
D9	8-719-974-76	s DIODE HSM107S
D10	8-719-800-76	s DIODE 1SS226
D11	8-719-974-76	s DIODE HSM107S
D12	8-719-974-76	s DIODE HSM107S
D13	8-719-404-35	s DIODE MA141WK
D14	8-719-404-35	s DIODE MA141WK
IC1	8-759-234-20	s IC TC7S08F
IC2	8-759-234-20	s IC TC7S08F
IC3	8-759-065-20	s IC RTC-4553B
IC5	8-759-940-45	s IC S-8054HN-CB
IC6	8-759-086-42	s IC X24C02S-3.0-C7000
IC7	8-759-347-93	s IC HD6475368SF-DXC6372
IC8	8-759-078-75	s IC UPD6453GT-610
IC9	8-759-278-11	s IC TC4051BFS(EL)
IC11	8-759-066-61	s IC TC4053BFS
IC12	8-759-089-61	s IC TC74HC4052AFS(EL)
IC14	8-759-066-61	s IC TC4053BFS
IC15	8-759-173-16	s IC TL062CPW
IC16	8-759-076-06	s IC TL064CPW
IC17	8-759-035-90	s IC SC7S02FEL
IC18	8-759-234-20	s IC TC7S08F
IC19	8-759-242-64	s IC TC4W53F
IC20	8-759-700-07	s IC NJM2903M
IC21	8-759-209-90	s IC TC4S71F
L1	1-410-387-11	s INDUCTOR CHIP 33UH
L2	1-410-387-11	s INDUCTOR CHIP 33UH
L3	1-410-387-11	s INDUCTOR CHIP 33UH
L5	1-410-387-11	s INDUCTOR CHIP 33UH
L6	1-410-385-11	s INDUCTOR, CHIP 22uH
Q1	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q2	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q3	8-729-402-19	s TRANSISTOR XN6501
Q4	8-729-402-19	s TRANSISTOR XN6501
Q5	8-729-402-19	s TRANSISTOR XN6501
Q6	8-729-402-19	s TRANSISTOR XN6501
Q7	8-729-905-24	s TRANSISTOR 2SA1576S
Q8	8-729-905-24	s TRANSISTOR 2SA1576S
Q9	8-729-905-24	s TRANSISTOR 2SA1576S
Q10	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q11	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q12	8-729-402-19	s TRANSISTOR XN6501
Q13	8-729-402-19	s TRANSISTOR XN6501
Q14	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q15	8-729-402-84	s TRANSISTOR XN4601

## (AT-93 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q16	8-729-402-84	s TRANSISTOR XN4601
Q17	8-729-109-44	s TRANSISTOR 2SK94
Q18	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q19	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q20	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q21	8-729-905-24	s TRANSISTOR 2SA1576S
Q22	8-729-402-19	s TRANSISTOR XN6501
Q23	8-729-403-32	s TRANSISTOR XN6534
Q24	8-729-143-13	s TRANSISTOR 2SC4176-B34
Q25	8-729-905-24	s TRANSISTOR 2SA1576S
Q26	8-729-402-84	s TRANSISTOR XN4601
Q27	8-729-905-24	s TRANSISTOR 2SA1576S
R1	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R2	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R3	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R4	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R5	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R6	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R7	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R8	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R11	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R12	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R13	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R15	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R16	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R17	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R18	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R19	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R23	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R24	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R25	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R26	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R27	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R28	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R29	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R30	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R31	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R32	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R33	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R34	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R35	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R36	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R37	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R38	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R39	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R40	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R41	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R42	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R43	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R44	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R45	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R46	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R47	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R48	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R62	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R63	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R64	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R68	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W

## (AT-93 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R69	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R70	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R71	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R72	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R73	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R74	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R75	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R76	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R77	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R79	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R80	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R81	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R82	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R83	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R84	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R85	1-216-819-11	s METAL, CHIP 680 5% 1/16W
R86	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R87	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R88	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R89	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R90	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R92	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R93	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R94	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R95	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R96	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R97	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R98	1-216-814-11	s METAL, CHIP 270 5% 1/16W
R99	1-216-814-11	s METAL, CHIP 270 5% 1/16W
R100	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R101	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R102	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R103	1-216-832-11	s METAL, CHIP 8.2K 5% 1/16W
R104	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R105	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R106	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R107	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R108	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R109	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R110	1-216-828-11	s METAL, CHIP 3.9K 5% 1/16W
R111	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R112	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R114	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R118	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R119	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R120	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R121	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R122	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R123	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R124	1-218-874-11	s METAL 13K 0.50% 1/16W
R125	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R126	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R127	1-218-889-11	s METAL 56K 0.50% 1/16W
R129	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R130	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R131	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R132	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R133	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R134	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W

Please see page D-13 for the part numbers of resistor that is not the parts list.

## (AT-93 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R135	1-216-830-11 s	METAL, CHIP 5.6K 5% 1/16W
R136	1-216-824-11 s	METAL, CHIP 1.8K 5% 1/16W
R137	1-216-853-11 s	METAL, CHIP 470K 5% 1/16W
R138	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R139	1-216-833-11 s	METAL, CHIP 10K 5% 1/16W
R140	1-216-836-11 s	METAL, CHIP 18K 5% 1/16W
R141	1-216-833-11 s	METAL, CHIP 10K 5% 1/16W
R142	1-216-832-11 s	METAL, CHIP 8.2K 5% 1/16W
R143	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R144	1-216-833-11 s	METAL, CHIP 10K 5% 1/16W
R145	1-216-837-11 s	METAL, CHIP 22K 5% 1/16W
R146	1-216-833-11 s	METAL, CHIP 10K 5% 1/16W
R147	1-216-833-11 s	METAL, CHIP 10K 5% 1/16W
R148	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R150	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R151	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R152	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R154	1-216-817-11 s	METAL, CHIP 470 5% 1/16W
R155	1-216-817-11 s	METAL, CHIP 470 5% 1/16W
R156	1-216-817-11 s	METAL, CHIP 470 5% 1/16W
R157	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R158	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R159	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R160	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R161	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R162	1-215-445-11 s	METAL 10K 1% 1/4W
X1	1-760-273-11 s	CRYSTAL 20MHz

## CN-1106 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8310-949-A o	MOUNTED CIRCUIT BOARD, CN-1106
C1	1-161-051-00 s	CERAMIC 0.01uF 10% 50V
C2	1-161-051-00 s	CERAMIC 0.01uF 10% 50V
CN1	1-573-594-11 s	CONNECTOR, XLR 3P "MIC"

## CN-1107 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8310-964-A o	MOUNTED CIRCUIT BOARD, CN-1107
1pc	1-564-831-11 o	CONTACT, FEMALE
1pc	1-569-191-11 o	CONTACT, AWG22-26
1pc	1-569-193-11 o	CONTACT, AWG24-30
1pc	1-569-201-11 o	HOUSING, 8P
C2	1-161-051-00 s	CERAMIC 0.01uF 10% 50V
C3	1-161-051-00 s	CERAMIC 0.01uF 10% 50V
C4	1-161-051-00 s	CERAMIC 0.01uF 10% 50V
C5	1-161-051-00 s	CERAMIC 0.01uF 10% 50V
CN1	1-561-320-41 s	SOCKET, DIN 8P "VF"
FL1	1-236-164-11 s	ENCAPSULATED COMPONENT

## CN-1173 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8310-963-A o	MOUNTED CIRCUIT BOARD, CN-1173
CN1	1-691-549-21 o	CONNECTOR, 48P

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 EN-122(N)/122(P) BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8310-956-A	o MOUNTED CIRCUIT BOARD, EN-122 (N) [for DXC-637;J, DXC-637;UC]
1pc	A-8310-976-A	o MOUNTED CIRCUIT BOARD, EN-122 (P) [for DXC-637P;EK]
2pcs	7-627-554-27	s SCREW, PRECISION +P 2X6 TYPE1
1pc	3-699-005-01	o SUPPORT, TG-18
1pc	7-621-772-18	s SCREW +B 2X4
C1	1-162-974-11	s CERAMIC 0.01uF 50V
C2	1-162-974-11	s CERAMIC 0.01uF 50V
C3	1-162-974-11	s CERAMIC 0.01uF 50V
C4	1-164-156-11	s CERAMIC 0.1uF 25V
C5	1-164-156-11	s CERAMIC 0.1uF 25V
C6	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C7	1-126-393-11	s ELECT 33uF 20% 10V
C8	1-126-393-11	s ELECT 33uF 20% 10V
C12	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C13	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C16	1-162-974-11	s CERAMIC 0.01uF 50V
C17	1-162-974-11	s CERAMIC 0.01uF 50V
C22	1-162-974-11	s CERAMIC 0.01uF 50V
C23	1-162-974-11	s CERAMIC 0.01uF 50V
C26	1-162-974-11	s CERAMIC 0.01uF 50V
C27	1-162-974-11	s CERAMIC 0.01uF 50V
C30	1-126-393-11	s ELECT 33uF 20% 10V
C31	1-126-393-11	s ELECT 33uF 20% 10V
C32	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C33	1-162-974-11	s CERAMIC 0.01uF 50V
C34	1-126-399-11	s ELECT, CHIP 10uF 20% 35V
C35	1-162-915-11	s CERAMIC, CHIP 10PF 5PF 50V
C36	1-164-156-11	s CERAMIC 0.1uF 25V
C37	1-162-974-11	s CERAMIC 0.01uF 50V
C38	1-162-915-11	s CERAMIC, CHIP 10PF 5PF 50V
C39	1-164-156-11	s CERAMIC 0.1uF 25V
C40	1-162-974-11	s CERAMIC 0.01uF 50V
C41	1-162-915-11	s CERAMIC, CHIP 10PF 5PF 50V
C42	1-164-156-11	s CERAMIC 0.1uF 25V
C44	1-126-393-11	s ELECT 33uF 20% 10V
C45	1-126-393-11	s ELECT 33uF 20% 10V
C46	1-162-974-11	s CERAMIC 0.01uF 50V
C47	1-162-974-11	s CERAMIC 0.01uF 50V
C49	1-164-156-11	s CERAMIC 0.1uF 25V
C50	1-165-176-11	s CERAMIC 0.047uF 10% 16V
C53	1-164-156-11	s CERAMIC 0.1uF 25V
C54	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C55	1-162-974-11	s CERAMIC 0.01uF 50V
C58	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C59	1-126-393-11	s ELECT 33uF 20% 10V
C60	1-162-974-11	s CERAMIC 0.01uF 50V
C61	1-162-974-11	s CERAMIC 0.01uF 50V
C63	1-104-852-11	s TANTALUM 22uF 20% 10V
C64	1-164-156-11	s CERAMIC 0.1uF 25V
C65	1-164-156-11	s CERAMIC 0.1uF 25V
C66	1-164-156-11	s CERAMIC 0.1uF 25V
C67	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C68	1-164-156-11	s CERAMIC 0.1uF 25V
C69	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C70	1-126-393-11	s ELECT 33uF 20% 10V
C71	1-126-393-11	s ELECT 33uF 20% 10V
C72	1-126-393-11	s ELECT 33uF 20% 10V

(EN-122(N)/122(P) BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C73	1-126-393-11	s ELECT 33uF 20% 10V
C74	1-126-391-11	s ELECT, CHIP 47uF 20% 6.3V
C75	1-162-974-11	s CERAMIC 0.01uF 50V
C76	1-162-974-11	s CERAMIC 0.01uF 50V
C77	1-162-911-11	s CERAMIC, CHIP 6PF 50V [for DXC-637;J, DXC-637;UC]
C77	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V [for DXC-637P;EK]
C78	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V [for DXC-637;J, DXC-637;UC]
C78	1-162-925-11	s CERAMIC, CHIP 68PF 5% 50V [for DXC-637P;EK]
C79	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C80	1-104-913-11	s TANTALUM 10uF 20% 16V
C82	1-162-974-11	s CERAMIC 0.01uF 50V
C83	1-164-156-11	s CERAMIC 0.1uF 25V
C84	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C85	1-162-974-11	s CERAMIC 0.01uF 50V
C86	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C87	1-126-393-11	s ELECT 33uF 20% 10V
C88	1-164-156-11	s CERAMIC 0.1uF 25V
C89	1-164-156-11	s CERAMIC 0.1uF 25V
C90	1-162-974-11	s CERAMIC 0.01uF 50V
C91	1-162-974-11	s CERAMIC 0.01uF 50V
C92	1-162-974-11	s CERAMIC 0.01uF 50V
C93	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C95	1-104-913-11	s TANTALUM 10uF 20% 16V
C97	1-164-156-11	s CERAMIC 0.1uF 25V
C98	1-162-995-11	s CERAMIC, CHIP 0.022uF 50V
C99	1-104-913-11	s TANTALUM 10uF 20% 16V [for DXC-637;J, DXC-637;UC]
C99	1-131-353-00	s TANTALUM 10uF 10% 35V [for DXC-637P;EK]
C100	1-162-964-11	s CERAMIC 0.001uF 10% 50V
C101	1-104-913-11	s TANTALUM 10uF 20% 16V
C102	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C103	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C104	1-162-915-11	s CERAMIC, CHIP 10PF 5PF 50V
C105	1-162-915-11	s CERAMIC, CHIP 10PF 5PF 50V
C106	1-162-915-11	s CERAMIC, CHIP 10PF 5PF 50V
C107	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C108	1-135-212-21	s TANTALUM, CHIP 2.2uF 10% 35V
C109	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C110	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C111	1-164-156-11	s CERAMIC 0.1uF 25V
C112	1-164-156-11	s CERAMIC 0.1uF 25V
C113	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V [for DXC-637;J, DXC-637;UC]
CN1	1-691-856-11	s CONNECTOR, BOARD TO BOARD 60P
CN2	1-770-582-11	o CONNECTOR 30P
D1	8-719-029-63	s DIODE RD4.3UH-T1
D2	8-719-027-95	s DIODE HSM88WK
D3	8-719-027-95	s DIODE HSM88WK
D4	8-719-027-95	s DIODE HSM88WK
D5	8-719-800-76	s DIODE 1SS226
D6	8-719-404-35	s DIODE MA141WK
DL1	1-411-271-21	s DELAY LINE 155nS
DL2	1-411-272-21	s DELAY LINE 185nS

Please see page D-13 for the part numbers of resistor that is not the parts list.

## (EN-122(N)/122(P) BOARD)

Ref. No. or Q'ty	Part No.	SP Description
IC1	8-759-173-16 s	IC TL062CPW
IC3	8-759-258-43 s	IC LT1253CS8-E2
IC4	8-759-258-43 s	IC LT1253CS8-E2
IC5	8-759-258-43 s	IC LT1253CS8-E2
IC7	8-759-258-43 s	IC LT1253CS8-E2
IC8	8-759-173-16 s	IC TL062CPW
IC9	8-759-082-61 s	IC TC4W53FU
IC10	8-759-076-06 s	IC TL064CPW
IC11	8-759-082-61 s	IC TC4W53FU
IC12	8-759-079-52 s	IC TC74VHC08FS(EL)
IC14	8-759-066-61 s	IC TC4053BFS
IC15	8-759-234-20 s	IC TC7S08F
IC16	8-759-082-61 s	IC TC4W53FU
IC17	8-759-288-20 s	IC CXD8924Q
IC18	8-759-079-60 s	IC TC74VHC32FS(EL)
IC19	8-759-635-27 s	IC M62352GP
IC20	8-759-710-24 s	IC NJM319M
IC21	8-759-035-90 s	IC SC7S02FEL
IC22	8-759-031-84 s	IC SC7S04F
IC23	8-759-082-61 s	IC TC4W53FU
IC25	8-759-031-84 s	IC SC7S04F
IC26	8-759-079-55 s	IC TC74VHC11FS(EL) [for DXC-637P;EK]
IC27	8-759-173-16 s	IC TL062CPW
IC28	8-759-973-99 s	IC CXD1361M [for DXC-637P;EK]
IC29	8-759-071-41 s	IC CXD8154BM
IC30	8-759-066-61 s	IC TC4053BFS
IC31	8-759-082-61 s	IC TC4W53FU
IC32	8-759-082-61 s	IC TC4W53FU
IC33	8-759-209-57 s	IC TC4S69F
IC34	8-759-186-51 s	IC TC74VHC157F
IC35	8-759-035-93 s	IC TC7S32F
IC36	8-759-234-20 s	IC TC7S08F
IC37	8-759-234-20 s	IC TC7S08F
L1	1-410-392-11 s	INDUCTOR, CHIP 82uH [for DXC-637;J, DXC-637;UC]
L1	1-410-656-11 s	INDUCTOR CHIP 150uH [for DXC-637P;EK]
L2	1-410-387-11 s	INDUCTOR CHIP 33uH
L3	1-410-385-11 s	INDUCTOR, CHIP 22uH
L4	1-410-385-11 s	INDUCTOR, CHIP 22uH
Q1	8-729-101-07 s	TRANSISTOR 2SB798
Q2	8-729-101-07 s	TRANSISTOR 2SB798
Q3	8-729-402-84 s	TRANSISTOR XN4601
Q4	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q5	8-729-905-24 s	TRANSISTOR 2SA1576S
Q6	8-729-402-78 s	TRANSISTOR XN6401
Q7	8-729-402-78 s	TRANSISTOR XN6401
Q8	8-729-403-32 s	TRANSISTOR XN6534
Q9	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q10	8-729-905-24 s	TRANSISTOR 2SA1576S
Q11	8-729-402-78 s	TRANSISTOR XN6401
Q12	8-729-402-78 s	TRANSISTOR XN6401
Q13	8-729-403-32 s	TRANSISTOR XN6534
Q14	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q15	8-729-905-24 s	TRANSISTOR 2SA1576S
Q16	8-729-402-78 s	TRANSISTOR XN6401
Q17	8-729-402-78 s	TRANSISTOR XN6401

## (EN-122(N)/122(P) BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q18	8-729-403-32 s	TRANSISTOR XN6534
Q19	8-729-402-78 s	TRANSISTOR XN6401
Q20	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q21	8-729-402-19 s	TRANSISTOR XN6501
Q22	8-729-402-19 s	TRANSISTOR XN6501
Q23	8-729-402-78 s	TRANSISTOR XN6401
Q24	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q25	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q26	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q27	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q28	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q29	8-729-402-84 s	TRANSISTOR XN4601
Q30	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q31	8-729-402-84 s	TRANSISTOR XN4601
Q32	8-729-402-84 s	TRANSISTOR XN4601
Q33	8-729-402-84 s	TRANSISTOR XN4601
Q35	8-729-905-24 s	TRANSISTOR 2SA1576S
Q36	8-729-905-24 s	TRANSISTOR 2SA1576S
Q37	8-729-905-24 s	TRANSISTOR 2SA1576S
Q38	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q39	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q40	8-729-402-19 s	TRANSISTOR XN6501
Q41	8-729-905-24 s	TRANSISTOR 2SA1576S
Q42	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q43	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q44	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q45	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q46	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q47	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q48	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q49	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
R1	1-218-851-11 s	METAL 1.5K 0.50% 1/16W
R9	1-216-864-11 s	METAL, CHIP 0.5% 1/16W
R11	1-218-846-11 s	METAL 910 0.50% 1/16W
R15	1-211-990-11 s	METAL 75 0.50% 1/16W
R20	1-211-990-11 s	METAL 75 0.50% 1/16W
R23	1-218-844-11 s	METAL 750 0.50% 1/16W
R24	1-218-844-11 s	METAL 750 0.50% 1/16W
R29	1-218-844-11 s	METAL 750 0.50% 1/16W
R30	1-218-844-11 s	METAL 750 0.50% 1/16W
R36	1-218-844-11 s	METAL 750 0.50% 1/16W
R38	1-211-990-11 s	METAL 75 0.50% 1/16W
R44	1-211-990-11 s	METAL 75 0.50% 1/16W
R45	1-211-990-11 s	METAL 75 0.50% 1/16W
R46	1-211-990-11 s	METAL 75 0.50% 1/16W
R56	1-216-864-11 s	METAL, CHIP 0.5% 1/16W
R66	1-216-864-11 s	METAL, CHIP 0.5% 1/16W
R77	1-216-864-11 s	METAL, CHIP 0.5% 1/16W
R81	1-218-886-11 s	METAL 43K 0.50% 1/16W [for DXC-637;J, DXC-637;UC]
R82	1-218-886-11 s	METAL 43K 0.50% 1/16W [for DXC-637;J, DXC-637;UC]
R85	1-218-846-11 s	METAL 910 0.50% 1/16W
R100	1-218-867-11 s	METAL 6.8K 0.50% 1/16W
R104	1-216-864-11 s	METAL, CHIP 0.5% 1/16W
R105	1-216-864-11 s	METAL, CHIP 0.5% 1/16W
R115	1-216-857-11 s	METAL, CHIP 1M 5% 1/16W
R141	1-218-867-11 s	METAL 6.8K 0.50% 1/16W

## (EN-122(N)/122(P) BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R142	1-218-883-11 s	METAL 33K 0.50% 1/16W
R146	1-218-867-11 s	METAL 6.8K 0.50% 1/16W
R147	1-218-883-11 s	METAL 33K 0.50% 1/16W
R151	1-218-883-11 s	METAL 33K 0.50% 1/16W
R166	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R169	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R171	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637;J, DXC-637;UC]
R172	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637P;EK]
R175	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637P;EK]
R176	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637;J, DXC-637;UC]
R177	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637;J, DXC-637;UC]
R178	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637P;EK]
R179	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637;J, DXC-637;UC]
R182	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R185	1-218-868-11 s	METAL 7.5K 0.50% 1/16W [for DXC-637;J, DXC-637;UC]
R185	1-218-883-11 s	METAL 33K 0.50% 1/16W [for DXC-637P;EK]
R187	1-218-874-11 s	METAL 13K 0.50% 1/16W [for DXC-637;J, DXC-637;UC]
R187	1-218-867-11 s	METAL 6.8K 0.50% 1/16W [for DXC-637P;EK]
R188	1-218-867-11 s	METAL 6.8K 0.50% 1/16W [for DXC-637P;EK]
R189	1-216-853-11 s	METAL, CHIP 470K 5% 1/16W [for DXC-637;J, DXC-637;UC]
R191	1-218-868-11 s	METAL 7.5K 0.50% 1/16W [for DXC-637;J, DXC-637;UC]
R191	1-218-883-11 s	METAL 33K 0.50% 1/16W [for DXC-637P;EK]
R193	1-218-874-11 s	METAL 13K 0.50% 1/16W [for DXC-637;J, DXC-637;UC]
R193	1-218-867-11 s	METAL 6.8K 0.50% 1/16W [for DXC-637P;EK]
R194	1-218-867-11 s	METAL 6.8K 0.50% 1/16W [for DXC-637P;EK]
R195	1-216-853-11 s	METAL, CHIP 470K 5% 1/16W [for DXC-637;J, DXC-637;UC]
R197	1-218-868-11 s	METAL 7.5K 0.50% 1/16W [for DXC-637;J, DXC-637;UC]
R197	1-218-883-11 s	METAL 33K 0.50% 1/16W [for DXC-637P;EK]
R199	1-218-874-11 s	METAL 13K 0.50% 1/16W [for DXC-637;J, DXC-637;UC]
R199	1-218-867-11 s	METAL 6.8K 0.50% 1/16W [for DXC-637P;EK]
R200	1-218-867-11 s	METAL 6.8K 0.50% 1/16W [for DXC-637P;EK]
R201	1-216-853-11 s	METAL, CHIP 470K 5% 1/16W [for DXC-637;J, DXC-637;UC]
R206	1-218-870-11 s	METAL 9.1K 0.50% 1/16W
R234	1-218-841-11 s	METAL 560 0.50% 1/16W
R236	1-211-981-11 s	METAL 33 0.50% 1/16W
R238	1-218-844-11 s	METAL 750 0.50% 1/16W
R241	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R242	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637P;EK]

## (EN-122(N)/122(P) BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R246	1-218-867-11 s	METAL 6.8K 0.50% 1/16W
R247	1-216-857-11 s	METAL, CHIP 1M 5% 1/16W
R248	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R249	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637P;EK]
R250	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637;J, DXC-637;UC]
R251	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637;J, DXC-637;UC]
R253	1-216-857-11 s	METAL, CHIP 1M 5% 1/16W
R255	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R256	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637P;EK]
R257	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637;J, DXC-637;UC]
R258	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R259	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R269	1-218-858-11 s	METAL 3K 0.50% 1/16W
R272	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R275	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R278	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R279	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637P;EK]
R280	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637;J, DXC-637;UC]
R281	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637P;EK]
R282	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637;J, DXC-637;UC]
R286	1-211-977-11 s	METAL 22 0.50% 1/16W [for DXC-637P;EK]
RV3	1-241-265-11 s	RES, ADJ, METALT 20K [for DXC-637;J, DXC-637;UC]
RV4	1-241-262-11 s	RES, ADJ, METALT 2K
RV5	1-241-260-11 s	RES, ADJ, METALT 500
RV6	1-241-260-11 s	RES, ADJ, METALT 500
RV7	1-241-262-11 s	RES, ADJ, METALT 2K
RV8	1-238-855-11 s	RES, ADJ, METAL 4.7K
RV9	1-241-261-41 s	RES, ADJ, METAL 1K
RV10	1-241-263-11 s	RES, ADJ, METALT 5K
RV11	1-241-262-11 s	RES, ADJ, METALT 2K
RV12	1-238-853-11 s	RES, ADJ, METAL 1K
S1	1-572-342-11 s	SWITCH, SLIDE [for DXC-637;J, DXC-637;UC]

Please see page D-13 for the part numbers of resistor that is not the parts list.

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FP-68 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8310-948-A	o MOUNTED CIRCUIT BOARD, FP-68
CN1	1-691-863-11	s CONNECTOR, 4P
R1	1-215-461-00	s METAL 47K 1% 1/6W
R2	1-215-453-00	s METAL 22K 1% 1/6W
R3	1-215-449-00	s METAL 15K 1% 1/6W
R4	1-215-405-00	s METAL 220 1% 1/6W
S1	1-571-404-11	s SWITCH, KEY BOARD
S2	1-571-404-11	s SWITCH, KEY BOARD
S3	1-570-984-11	s SWITCH, TOGGLE
S4	1-692-313-11	s SWITCH, PUSH

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IE-47 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8310-955-A	o MOUNTED CIRCUIT BOARD, IE-47
C1	1-164-156-11	s CERAMIC 0.1uF 25V
C2	1-104-852-11	s TANTALUM 22uF 20% 10V
C3	1-164-156-11	s CERAMIC 0.1uF 25V
C4	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C6	1-104-851-11	s TANTALUM 10uF 20% 10V
C7	1-104-913-11	s TANTALUM 10uF 20% 16V
C8	1-164-156-11	s CERAMIC 0.1uF 25V
C9	1-164-156-11	s CERAMIC 0.1uF 25V
C10	1-104-823-11	s TANTALUM 47uF 20% 16V
C11	1-104-823-11	s TANTALUM 47uF 20% 16V
C12	1-164-156-11	s CERAMIC 0.1uF 25V
C13	1-164-156-11	s CERAMIC 0.1uF 25V
C14	1-164-156-11	s CERAMIC 0.1uF 25V
C15	1-164-156-11	s CERAMIC 0.1uF 25V
C16	1-164-156-11	s CERAMIC 0.1uF 25V
C17	1-104-913-11	s TANTALUM 10uF 20% 16V
C19	1-164-156-11	s CERAMIC 0.1uF 25V
C20	1-164-156-11	s CERAMIC 0.1uF 25V
C21	1-164-156-11	s CERAMIC 0.1uF 25V
C22	1-164-156-11	s CERAMIC 0.1uF 25V
C24	1-164-156-11	s CERAMIC 0.1uF 25V
C25	1-135-159-21	s TANTALUM, CHIP 10uF 10% 20V
C26	1-135-159-21	s TANTALUM, CHIP 10uF 10% 20V
C29	1-164-156-11	s CERAMIC 0.1uF 25V
C31	1-104-852-11	s TANTALUM 22uF 20% 10V
C32	1-104-823-11	s TANTALUM 47uF 20% 16V
C33	1-164-156-11	s CERAMIC 0.1uF 25V
C34	1-107-689-21	s TANTALUM 1uF 20% 35V
C35	1-107-689-21	s TANTALUM 1uF 20% 35V
C37	1-162-964-11	s CERAMIC 0.001uF 10% 50V
C38	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C41	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C42	1-164-156-11	s CERAMIC 0.1uF 25V
C43	1-164-156-11	s CERAMIC 0.1uF 25V
C44	1-164-156-11	s CERAMIC 0.1uF 25V
C45	1-164-156-11	s CERAMIC 0.1uF 25V
C46	1-164-156-11	s CERAMIC 0.1uF 25V
C47	1-164-156-11	s CERAMIC 0.1uF 25V
C48	1-164-156-11	s CERAMIC 0.1uF 25V
C49	1-164-156-11	s CERAMIC 0.1uF 25V
C50	1-104-913-11	s TANTALUM 10uF 20% 16V
C51	1-164-156-11	s CERAMIC 0.1uF 25V
C52	1-104-913-11	s TANTALUM 10uF 20% 16V
C53	1-104-913-11	s TANTALUM 10uF 20% 16V
C54	1-164-156-11	s CERAMIC 0.1uF 25V
C55	1-164-156-11	s CERAMIC 0.1uF 25V
C56	1-164-156-11	s CERAMIC 0.1uF 25V
C57	1-164-156-11	s CERAMIC 0.1uF 25V
C58	1-164-156-11	s CERAMIC 0.1uF 25V
C59	1-164-156-11	s CERAMIC 0.1uF 25V
C60	1-164-156-11	s CERAMIC 0.1uF 25V
C61	1-135-072-21	s TANTALUM, CHIP 0.22uF 10% 35V
C62	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C63	1-104-823-11	s TANTALUM 47uF 20% 16V
C64	1-135-072-21	s TANTALUM, CHIP 0.22uF 10% 35V
C65	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C70	1-107-689-21	s TANTALUM 1uF 20% 35V

## (IE-47 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C71	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C78	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C79	1-164-156-11	s CERAMIC 0.1uF 25V
C81	1-164-156-11	s CERAMIC 0.1uF 25V
C82	1-104-913-11	s TANTALUM 10uF 20% 16V
C83	1-104-913-11	s TANTALUM 10uF 20% 16V
C84	1-164-156-11	s CERAMIC 0.1uF 25V
C85	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C86	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C87	1-164-156-11	s CERAMIC 0.1uF 25V
C88	1-164-156-11	s CERAMIC 0.1uF 25V
C89	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C90	1-104-851-11	s TANTALUM 10uF 20% 10V
C91	1-104-852-11	s TANTALUM 22uF 20% 10V
C92	1-104-852-11	s TANTALUM 22uF 20% 10V
C93	1-104-913-11	s TANTALUM 10uF 20% 16V
C94	1-104-851-11	s TANTALUM 10uF 20% 10V
C95	1-107-689-21	s TANTALUM 1uF 20% 35V
C96	1-164-156-11	s CERAMIC 0.1uF 25V
C97	1-107-689-21	s TANTALUM 1uF 20% 35V
C98	1-164-156-11	s CERAMIC 0.1uF 25V
C99	1-164-156-11	s CERAMIC 0.1uF 25V
C101	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C102	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V
C103	1-164-156-11	s CERAMIC 0.1uF 25V
C104	1-104-852-11	s TANTALUM 22uF 20% 10V
C105	1-128-391-11	s ELECT 330uF 20% 6.3V
C107	1-104-852-11	s TANTALUM 22uF 20% 10V
C108	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C109	1-104-852-11	s TANTALUM 22uF 20% 10V
C110	1-104-851-11	s TANTALUM 10uF 20% 10V
C111	1-104-823-11	s TANTALUM 47uF 20% 16V
C112	1-107-686-11	s TANTALUM 4.7uF 20% 16V
C113	1-104-852-11	s TANTALUM 22uF 20% 10V
C114	1-104-917-11	s TANTALUM 15uF 20% 20V
C123	1-104-852-11	s TANTALUM 22uF 20% 10V
C124	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C125	1-104-851-11	s TANTALUM 10uF 20% 10V
C126	1-104-851-11	s TANTALUM 10uF 20% 10V
C127	1-104-852-11	s TANTALUM 22uF 20% 10V
C128	1-107-685-11	s TANTALUM 15uF 20% 6.3V
C129	1-104-851-11	s TANTALUM 10uF 20% 10V
C135	1-162-908-11	s CERAMIC 3PF 0.25PF 50V
C137	1-164-156-11	s CERAMIC 0.1uF 25V
C138	1-164-156-11	s CERAMIC 0.1uF 25V
C140	1-107-689-21	s TANTALUM 1uF 20% 35V
C141	1-107-689-21	s TANTALUM 1uF 20% 35V
C142	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C143	1-104-823-11	s TANTALUM 47uF 20% 16V
C144	1-107-854-11	s TANTALUM 68uF 20% 6.3V
C147	1-162-974-11	s CERAMIC 0.01uF 50V
C150	1-104-823-11	s TANTALUM 47uF 20% 16V
C151	1-107-689-21	s TANTALUM 1uF 20% 35V
C152	1-104-851-11	s TANTALUM 10uF 20% 10V
C153	1-162-915-11	s CERAMIC, CHIP 10PF 5PF 50V
C154	1-162-915-11	s CERAMIC, CHIP 10PF 5PF 50V
C155	1-162-915-11	s CERAMIC, CHIP 10PF 5PF 50V
C156	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V

## (IE-47 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
CN1	1-770-581-11	o CONNECTOR 30P
CV1	1-141-422-11	s CAP, ADJ
D1	8-719-800-76	s DIODE 1SS226
D2	8-719-157-20	s DIODE RD4.3M-B
D4	8-719-948-47	s DIODE HSM88AS
D5	8-719-948-47	s DIODE HSM88AS
D6	8-719-157-20	s DIODE RD4.3M-B
D7	8-719-157-20	s DIODE RD4.3M-B
DL2	1-406-728-21	s DELAY LINE, LC (35NS)
DL3	1-406-728-21	s DELAY LINE, LC (35NS)
DL4	1-406-728-21	s DELAY LINE, LC (35NS)
DL5	1-406-728-21	s DELAY LINE, LC (35NS)
DL6	1-406-728-21	s DELAY LINE, LC (35NS)
FL1	1-239-620-21	s FILTER, TRAP
FL2	1-233-342-11	s FILTER, TRAP
FL3	1-233-342-11	s FILTER, TRAP
IC1	8-759-035-93	s IC TC7S32F
IC2	8-752-358-04	s IC CXD2310R
IC4	8-752-360-44	s IC CXK1203AR
IC5	8-759-700-95	s IC NJM1496M
IC6	8-759-300-71	s IC MC14053BF
IC7	8-759-906-53	s IC TL062CPS
IC8	8-759-011-65	s IC MC74HC4053F
IC9	8-759-906-54	s IC TL064CNS
IC10	8-759-031-84	s IC SC7S04F
IC11	8-759-038-46	s IC SC7S00F
IC12	8-759-916-23	s IC SN74HC27ANS
IC13	8-759-242-64	s IC TC4W53F
IC15	8-759-038-46	s IC SC7S00F
IC16	8-752-360-44	s IC CXK1203AR
IC17	8-752-363-60	s IC CXD2307R
IC18	8-759-234-20	s IC TC7S08F
IC20	8-759-906-54	s IC TL064CNS
IC21	8-759-234-20	s IC TC7S08F
IC22	8-759-926-24	s IC SN74HC164ANS
IC23	8-759-031-84	s IC SC7S04F
IC24	8-759-035-93	s IC TC7S32F
IC25	8-759-035-90	s IC SC7S02FEL
IC26	8-759-234-20	s IC TC7S08F
IC27	8-759-234-20	s IC TC7S08F
IC28	8-759-031-84	s IC SC7S04F
IC29	8-759-031-84	s IC SC7S04F
L1	1-410-381-11	s INDUCTOR CHIP 10uH
L2	1-410-381-11	s INDUCTOR CHIP 10uH
L3	1-410-381-11	s INDUCTOR CHIP 10uH
L4	1-410-381-11	s INDUCTOR CHIP 10uH
L5	1-410-381-11	s INDUCTOR CHIP 10uH
L6	1-410-381-11	s INDUCTOR CHIP 10uH
L7	1-410-389-31	s INDUCTOR CHIP 47uH
L8	1-410-385-11	s INDUCTOR, CHIP 22uH
L9	1-410-385-11	s INDUCTOR, CHIP 22uH
L10	1-412-282-41	s INDUCTOR 470uH
L11	1-410-373-31	s INDUCTOR CHIP 2.2uH
L12	1-410-373-31	s INDUCTOR CHIP 2.2uH
L13	1-410-373-31	s INDUCTOR CHIP 2.2uH
L14	1-410-393-11	s INDUCTOR CHIP 100uH

Please see page D-13 for the part numbers of resistor that is not the parts list.

## (IE-47 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
L15	1-410-389-31 s	INDUCTOR CHIP 47uH
L17	1-410-385-11 s	INDUCTOR, CHIP 22uH
Q1	8-729-143-13 s	TRANSISTOR 2SC4176-B34
Q2	8-729-143-13 s	TRANSISTOR 2SC4176-B34
Q3	8-729-143-13 s	TRANSISTOR 2SC4176-B34
Q4	8-729-143-13 s	TRANSISTOR 2SC4176-B34
Q5	8-729-143-13 s	TRANSISTOR 2SC4176-B34
Q6	8-729-143-07 s	TRANSISTOR 2SA1610-Y33
Q7	8-729-143-07 s	TRANSISTOR 2SA1610-Y33
Q8	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q9	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q10	8-729-905-24 s	TRANSISTOR 2SA1576S
Q11	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q12	8-729-905-24 s	TRANSISTOR 2SA1576S
Q13	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q14	8-729-905-24 s	TRANSISTOR 2SA1576S
Q15	8-729-905-24 s	TRANSISTOR 2SA1576S
Q16	8-729-143-13 s	TRANSISTOR 2SC4176-B34
Q48	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q49	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q50	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q51	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q52	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q53	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q54	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q55	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q56	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q57	8-729-143-13 s	TRANSISTOR 2SC4176-B34
Q58	8-729-142-90 s	TRANSISTOR 2SK853-K5
Q59	8-729-905-24 s	TRANSISTOR 2SA1576S
Q61	8-729-905-24 s	TRANSISTOR 2SA1576S
Q62	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q63	8-729-905-24 s	TRANSISTOR 2SA1576S
Q64	8-729-905-24 s	TRANSISTOR 2SA1576S
Q65	8-729-905-24 s	TRANSISTOR 2SA1576S
Q66	8-729-143-13 s	TRANSISTOR 2SC4176-B34
Q67	8-729-143-13 s	TRANSISTOR 2SC4176-B34
Q68	8-729-143-13 s	TRANSISTOR 2SC4176-B34
Q69	8-729-143-13 s	TRANSISTOR 2SC4176-B34
Q70	8-729-143-13 s	TRANSISTOR 2SC4176-B34
Q71	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q72	8-729-905-24 s	TRANSISTOR 2SA1576S
Q73	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q74	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q75	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q76	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q78	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q79	8-729-905-24 s	TRANSISTOR 2SA1576S
Q80	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q81	8-729-143-13 s	TRANSISTOR 2SC4176-B34
Q82	8-729-143-13 s	TRANSISTOR 2SC4176-B34
Q83	8-729-142-90 s	TRANSISTOR 2SK853-K5
Q84	8-729-143-13 s	TRANSISTOR 2SC4176-B34
Q85	8-729-143-13 s	TRANSISTOR 2SC4176-B34
Q86	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q87	8-729-905-24 s	TRANSISTOR 2SA1576S
Q88	8-729-905-24 s	TRANSISTOR 2SA1576S
Q90	8-729-143-13 s	TRANSISTOR 2SC4176-B34

## (IE-47 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q91	8-729-807-51 s	TRANSISTOR 2SD1623-S
Q92	8-729-101-07 s	TRANSISTOR 2SB798
Q93	8-729-807-51 s	TRANSISTOR 2SD1623-S
Q94	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q95	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q96	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q97	8-729-905-24 s	TRANSISTOR 2SA1576S
Q100	8-729-101-07 s	TRANSISTOR 2SB798
R3	1-216-824-11 s	METAL, CHIP 1.8K 5% 1/16W
R6	1-216-854-11 s	METAL, CHIP 560K 5% 1/16W
R7	1-218-851-11 s	METAL, CHIP 1.5K 0.50% 1/16W
R8	1-216-824-11 s	METAL, CHIP 1.8K 5% 1/16W
R9	1-216-833-11 s	METAL, CHIP 10K 5% 1/16W
R10	1-216-833-11 s	METAL, CHIP 10K 5% 1/16W
R11	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R14	1-216-823-11 s	METAL, CHIP 1.5K 5% 1/16W
R15	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R16	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R17	1-216-841-11 s	METAL, CHIP 47K 5% 1/16W
R18	1-216-841-11 s	METAL, CHIP 47K 5% 1/16W
R19	1-216-841-11 s	METAL, CHIP 47K 5% 1/16W
R20	1-216-841-11 s	METAL, CHIP 47K 5% 1/16W
R21	1-216-841-11 s	METAL, CHIP 47K 5% 1/16W
R22	1-216-841-11 s	METAL, CHIP 47K 5% 1/16W
R23	1-216-841-11 s	METAL, CHIP 47K 5% 1/16W
R24	1-216-841-11 s	METAL, CHIP 47K 5% 1/16W
R25	1-216-841-11 s	METAL, CHIP 47K 5% 1/16W
R26	1-216-841-11 s	METAL, CHIP 47K 5% 1/16W
R27	1-216-797-11 s	METAL, CHIP 10 5% 1/16W
R28	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R29	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R30	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R31	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R32	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R33	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R34	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R35	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R36	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R37	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R38	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R41	1-216-837-11 s	METAL, CHIP 22K 5% 1/16W
R42	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R43	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R47	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R49	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R50	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R51	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R54	1-216-823-11 s	METAL, CHIP 1.5K 5% 1/16W
R56	1-216-857-11 s	METAL, CHIP 1M 5% 1/16W
R58	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R59	1-216-797-11 s	METAL, CHIP 10 5% 1/16W
R60	1-211-983-11 s	METAL 39 0.50% 1/16W
R62	1-211-983-11 s	METAL 39 0.50% 1/16W
R63	1-216-822-11 s	METAL, CHIP 1.2K 5% 1/16W
R64	1-216-822-11 s	METAL, CHIP 1.2K 5% 1/16W
R65	1-216-822-11 s	METAL, CHIP 1.2K 5% 1/16W
R68	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R71	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W

## (IE-47 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R72	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R75	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R76	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R77	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R78	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R80	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R81	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R86	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R88	1-216-833-11 s	METAL, CHIP 10K 5% 1/16W
R111	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R116	1-216-822-11 s	METAL, CHIP 1.2K 5% 1/16W
R117	1-216-818-11 s	METAL, CHIP 560 5% 1/16W
R118	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R119	1-216-822-11 s	METAL, CHIP 1.2K 5% 1/16W
R121	1-216-819-11 s	METAL, CHIP 680 5% 1/16W
R122	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R123	1-216-824-11 s	METAL, CHIP 1.8K 5% 1/16W
R124	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R127	1-216-833-11 s	METAL, CHIP 10K 5% 1/16W
R128	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R129	1-216-830-11 s	METAL, CHIP 5.6K 5% 1/16W
R131	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R132	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R133	1-216-826-11 s	METAL, CHIP 2.7K 5% 1/16W
R141	1-216-833-11 s	METAL, CHIP 10K 5% 1/16W
R145	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R146	1-216-813-11 s	METAL, CHIP 220 5% 1/16W
R147	1-216-813-11 s	METAL, CHIP 220 5% 1/16W
R148	1-216-813-11 s	METAL, CHIP 220 5% 1/16W
R149	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R150	1-216-841-11 s	METAL, CHIP 47K 5% 1/16W
R151	1-216-830-11 s	METAL, CHIP 5.6K 5% 1/16W
R152	1-216-833-11 s	METAL, CHIP 10K 5% 1/16W
R153	1-216-853-11 s	METAL, CHIP 470K 5% 1/16W
R154	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R157	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R164	1-216-813-11 s	METAL, CHIP 220 5% 1/16W
R165	1-216-833-11 s	METAL, CHIP 10K 5% 1/16W
R166	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R167	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R169	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R172	1-216-824-11 s	METAL, CHIP 1.8K 5% 1/16W
R174	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R176	1-216-830-11 s	METAL, CHIP 5.6K 5% 1/16W
R177	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R178	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R183	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R184	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R185	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R186	1-216-823-11 s	METAL, CHIP 1.5K 5% 1/16W
R187	1-216-826-11 s	METAL, CHIP 2.7K 5% 1/16W
R191	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R192	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R193	1-218-844-11 s	METAL 750 0.50% 1/16W
R196	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R201	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R202	1-216-817-11 s	METAL, CHIP 470 5% 1/16W
R203	1-218-866-11 s	METAL 6.2K 0.50% 1/16W
R204	1-216-811-11 s	METAL, CHIP 150 5% 1/16W

## (IE-47 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R205	1-216-811-11 s	METAL, CHIP 150 5% 1/16W
R212	1-216-797-11 s	METAL, CHIP 10 5% 1/16W
R213	1-216-797-11 s	METAL, CHIP 10 5% 1/16W
R214	1-218-856-11 s	METAL 2.4K 0.50% 1/16W
R215	1-218-837-11 s	METAL 390 0.50% 1/16W
R217	1-218-856-11 s	METAL 2.4K 0.50% 1/16W
R219	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R221	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R223	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R225	1-216-833-11 s	METAL, CHIP 10K 5% 1/16W
R227	1-211-982-11 s	METAL 36 0.50% 1/16W
R228	1-211-982-11 s	METAL 36 0.50% 1/16W
R239	1-216-811-11 s	METAL, CHIP 150 5% 1/16W
R240	1-216-823-11 s	METAL, CHIP 1.5K 5% 1/16W
R251	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R264	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R265	1-218-883-11 s	METAL 33K 0.50% 1/16W
R268	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R269	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R270	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R272	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R273	1-216-817-11 s	METAL, CHIP 470 5% 1/16W
R276	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R277	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R278	1-216-797-11 s	METAL, CHIP 10 5% 1/16W
R279	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R284	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R287	1-216-833-11 s	METAL, CHIP 10K 5% 1/16W
R288	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
RV1	1-241-261-41 s	RES, ADJ, METAL 1K
RV3	1-241-262-11 s	RES, ADJ, METAL 2K
RV4	1-238-854-11 s	RES, ADJ, METAL 2.2K
RV5	1-241-263-11 s	RES, ADJ, METAL 5K
RV6	1-238-851-11 s	RES, ADJ, METAL 220
RV7	1-238-854-11 s	RES, ADJ, METAL 2.2K
RV8	1-238-855-11 s	RES, ADJ, METAL 4.7K
RV9	1-238-856-11 s	RES, ADJ, METAL 10K
RV10	1-238-852-11 s	RES, ADJ, METAL 470
RV11	1-238-855-11 s	RES, ADJ, METAL 4.7K
RV12	1-238-855-11 s	RES, ADJ, METAL 4.7K
RV13	1-238-853-11 s	RES, ADJ, METAL 1K
RV14	1-238-854-11 s	RES, ADJ, METAL 2.2K
RV15	1-238-854-11 s	RES, ADJ, METAL 2.2K
S1	1-572-272-11 s	SWITCH, SLIDE

Please see page D-13 for the part numbers of resistor that is not the parts list.

MB-597(N)/597(P) BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8310-958-A	o MOUNTED CIRCUIT BOARD, MB-597 (N) [for DXC-637;J, DXC-637;UC]
1pc	A-8310-978-A	o MOUNTED CIRCUIT BOARD, MB-597 (P) [for DXC-637P;EK]
3pcs	4-352-844-01	s PIN, LEAD, COATING
1pc	2-280-622-01	o SUPPORT (M3), HEXAGON
1pc	7-682-544-04	s SCREW +B 3X3
C1	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C3	1-135-227-11	s TANTAL 100uF 10% 6.3V
C4	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C5	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C6	1-135-227-11	s TANTAL 100uF 10% 6.3V
C7	1-104-911-11	s TANTALUM 33uF 20% 10V
C8	1-164-156-11	s CERAMIC 0.1uF 25V
C9	1-104-911-11	s TANTALUM 33uF 20% 10V
C10	1-164-156-11	s CERAMIC 0.1uF 25V
C11	1-104-852-11	s TANTALUM 22uF 20% 10V
C12	1-104-852-11	s TANTALUM 22uF 20% 10V
C13	1-104-911-11	s TANTALUM 33uF 20% 10V
C14	1-164-156-11	s CERAMIC 0.1uF 25V
C15	1-162-966-11	s CERAMIC, CHIP 0.0022uF 10% 50V
C16	1-162-966-11	s CERAMIC, CHIP 0.0022uF 10% 50V
C17	1-162-966-11	s CERAMIC, CHIP 0.0022uF 10% 50V
C20	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C21	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C22	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C23	1-162-964-11	s CERAMIC 0.001uF 10% 50V
C24	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C25	1-162-974-11	s CERAMIC 0.01uF 50V
C26	1-162-964-11	s CERAMIC 0.001uF 10% 50V
C27	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C28	1-162-974-11	s CERAMIC 0.01uF 50V
C29	1-164-373-11	s CERAMIC 0.033uF 25V
C30	1-162-974-11	s CERAMIC 0.01uF 50V
C31	1-162-959-11	s CERAMIC 330PF 5% 50V [for DXC-637P;EK]
C32	1-164-315-11	s CERAMIC 470PF 5% 50V [for DXC-637P;EK]
C33	1-164-156-11	s CERAMIC 0.1uF 25V [for DXC-637P;EK]
C34	1-164-156-11	s CERAMIC 0.1uF 25V
C35	1-164-156-11	s CERAMIC 0.1uF 25V
C36	1-104-852-11	s TANTALUM 22uF 20% 10V
C37	1-164-156-11	s CERAMIC 0.1uF 25V
C38	1-164-156-11	s CERAMIC 0.1uF 25V
C39	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C40	1-164-218-11	s CERAMIC 180PF 5% 50V
C41	1-164-156-11	s CERAMIC 0.1uF 25V
C42	1-164-156-11	s CERAMIC 0.1uF 25V
C43	1-104-852-11	s TANTALUM 22uF 20% 10V
C44	1-164-156-11	s CERAMIC 0.1uF 25V
C45	1-164-156-11	s CERAMIC 0.1uF 25V
C46	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C47	1-126-400-11	s ELECT, CHIP 22uF 20% 35V
C48	1-162-974-11	s CERAMIC 0.01uF 50V
C49	1-164-156-11	s CERAMIC 0.1uF 25V
C50	1-164-156-11	s CERAMIC 0.1uF 25V
C51	1-104-852-11	s TANTALUM 22uF 20% 10V
C52	1-164-156-11	s CERAMIC 0.1uF 25V
C53	1-162-974-11	s CERAMIC 0.01uF 50V

(MB-597(N)/597(P) BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C54	1-162-964-11	s CERAMIC 0.001uF 10% 50V
C55	1-164-156-11	s CERAMIC 0.1uF 25V
C56	1-164-156-11	s CERAMIC 0.1uF 25V
C57	1-164-156-11	s CERAMIC 0.1uF 25V
C58	1-164-156-11	s CERAMIC 0.1uF 25V
C59	1-164-156-11	s CERAMIC 0.1uF 25V
C60	1-164-156-11	s CERAMIC 0.1uF 25V
C61	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C62	1-162-974-11	s CERAMIC 0.01uF 50V
C63	1-162-974-11	s CERAMIC 0.01uF 50V
C64	1-162-974-11	s CERAMIC 0.01uF 50V
C65	1-162-974-11	s CERAMIC 0.01uF 50V
C66	1-162-974-11	s CERAMIC 0.01uF 50V
C67	1-162-974-11	s CERAMIC 0.01uF 50V
C68	1-162-974-11	s CERAMIC 0.01uF 50V
C73	1-104-478-11	s TANTALUM 10uF 20% 35V
C74	1-104-478-11	s TANTALUM 10uF 20% 35V
C79	1-104-478-11	s TANTALUM 10uF 20% 35V
C80	1-104-478-11	s TANTALUM 10uF 20% 35V
C85	1-135-165-11	s TANTALUM, CHIP 33uF 10% 16V
C86	1-135-165-11	s TANTALUM, CHIP 33uF 10% 16V
C87	1-164-156-11	s CERAMIC 0.1uF 25V
C88	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C89	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C90	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C91	1-162-974-11	s CERAMIC 0.01uF 50V
C92	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C93	1-104-478-11	s TANTALUM 10uF 20% 35V
C94	1-135-179-21	s TANTAL 2.2uF 10% 16V
C95	1-135-165-11	s TANTALUM, CHIP 33uF 10% 16V
C96	1-164-156-11	s CERAMIC 0.1uF 25V
C97	1-164-156-11	s CERAMIC 0.1uF 25V
C98	1-164-156-11	s CERAMIC 0.1uF 25V
C101	1-135-159-21	s TANTALUM, CHIP 10uF 10% 20V
C102	1-162-974-11	s CERAMIC 0.01uF 50V
C103	1-162-974-11	s CERAMIC 0.01uF 50V
C104	1-135-159-21	s TANTALUM, CHIP 10uF 10% 20V
C105	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C106	1-164-156-11	s CERAMIC 0.1uF 25V
C107	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C108	1-135-214-21	s TANTAL 4.7uF 20% 20V
C109	1-135-164-21	s TANTALUM, CHIP 22uF 20% 10V
C110	1-164-156-11	s CERAMIC 0.1uF 25V
C111	1-104-823-11	s TANTALUM 47uF 20% 16V
C112	1-107-686-11	s TANTALUM 4.7uF 20% 16V
C113	1-107-686-11	s TANTALUM 4.7uF 20% 16V
C114	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C115	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C117	1-164-156-11	s CERAMIC 0.1uF 25V
C150	1-135-227-11	s TANTAL 100uF 10% 6.3V
C151	1-135-227-11	s TANTAL 100uF 10% 6.3V
C152	1-104-543-11	s FILM 0.0022uF 5% 50V
C153	1-162-974-11	s CERAMIC 0.01uF 50V [for DXC-637P;EK]
C154	1-161-051-00	s CERAMIC 0.01uF 10% 50V [for DXC-637P;EK]
CN1	1-506-473-11	o CONNECTOR, 8P, MALE
CN2	1-573-806-21	s PIN, CONNECTOR 6P
CN3	1-766-183-11	o HOUSING, 24P

## (MB-597(N)/597(P) BOARD)

Ref. No. or Q'ty	Part No.	SP Description
CN4	1-506-473-11	s CONNECTOR, 8P, MALE
CN5	1-564-002-11	s PIN, CONNECTOR 3P
CN7	1-691-855-11	s CONNECTOR, BOARD TO BOARD 60P
CN8	1-691-855-11	s CONNECTOR, BOARD TO BOARD 60P
CN9	1-691-855-11	s CONNECTOR, BOARD TO BOARD 60P
CN10	1-562-728-11	o CONNECTOR, MULTI 50P
CN11	1-564-011-11	o CONNECTOR, 12P, MALE
CN13	1-770-580-11	o SOCKET, CONNECTOR 26P
CN14	1-691-552-11	s CONNECTOR, 48P
CN16	1-506-467-11	s CONNECTOR, 2P, MALE
CN17	1-564-001-11	o CONNECTOR, 2P, MALE
CN18	1-506-467-11	s CONNECTOR, 2P, MALE
CN19	1-568-353-21	o CONNECTOR, 6P
CN20	1-506-467-11	s CONNECTOR, 2P, MALE
CP1	1-760-278-11	s CRYSTAL 28.63636MHz [for DXC-637;J, DXC-637;UC]
CP1	1-760-647-11	s CRYSTAL 29.5MHz [for DXC-637P;EK]
D1	8-719-911-55	s DIODE U05G
D5	8-719-104-34	s DIODE 1S2836
D6	8-719-104-34	s DIODE 1S2836
D7	8-719-024-81	s DIODE 1SS300-TE85L
D8	8-719-024-81	s DIODE 1SS300-TE85L
D9	8-719-024-81	s DIODE 1SS300-TE85L
D12	8-719-938-78	s DIODE SB10-05PCP
D13	8-719-938-78	s DIODE SB10-05PCP
D14	8-719-801-78	s DIODE 1SS184
D15	8-719-104-34	s DIODE 1S2836
D16	8-719-157-20	s DIODE RD4.3M-B
FB1	1-543-775-11	s FILTER, EMI
FB2	1-543-775-11	s FILTER, EMI
FB3	1-543-775-11	s FILTER, EMI
FB4	1-543-775-11	s FILTER, EMI
FB5	1-543-775-11	s FILTER, EMI
FB6	1-543-775-11	s FILTER, EMI
FB7	1-543-775-11	s FILTER, EMI
FB8	1-543-775-11	s FILTER, EMI
FB9	1-543-775-11	s FILTER, EMI
FB10	1-543-775-11	s FILTER, EMI
FB11	1-543-775-11	s FILTER, EMI
FB12	1-543-775-11	s FILTER, EMI
FB13	1-412-364-11	s INDUCTOR CHIP 0uH
FB15	1-543-775-11	s FILTER, EMI
FB16	1-543-775-11	s FILTER, EMI
FB17	1-543-775-11	s FILTER, EMI
FB18	1-412-364-11	s INDUCTOR CHIP 0uH
FB22	1-543-775-11	s FILTER, EMI
FB23	1-543-775-11	s FILTER, EMI
FB24	1-543-775-11	s FILTER, EMI
FB25	1-543-775-11	s FILTER, EMI
FB26	1-543-775-11	s FILTER, EMI
FB27	1-543-775-11	s FILTER, EMI
FB28	1-543-775-11	s FILTER, EMI
FB29	1-543-775-11	s FILTER, EMI
FB30	1-543-775-11	s FILTER, EMI
FB31	1-543-775-11	s FILTER, EMI
FB32	1-543-775-11	s FILTER, EMI
FB33	1-543-775-11	s FILTER, EMI
FB35	1-543-775-11	s FILTER, EMI

## (MB-597(N)/597(P) BOARD)

Ref. No. or Q'ty	Part No.	SP Description
FB36	1-412-364-11	s INDUCTOR CHIP 0uH
FB37	1-412-364-11	s INDUCTOR CHIP 0uH
FB38	1-412-364-11	s INDUCTOR CHIP 0uH
FB39	1-412-364-11	s INDUCTOR CHIP 0uH
FB40	1-412-364-11	s INDUCTOR CHIP 0uH
FL1	1-236-164-11	s ENCAPSULATED COMPONENT
FL2	1-239-077-11	s FILTER, EMI
FL3	1-239-077-11	s FILTER, EMI
IC1	8-752-055-95	s IC CXA1409AQ
IC2	8-759-635-27	s IC M62352GP
IC3	8-759-082-58	s IC TC7W08FU
IC4	8-759-058-62	s IC TC7S08FU(TE85R)
IC10	8-759-058-62	s IC TC7S08FU(TE85R) [for DXC-637;J, DXC-637;UC]
IC10	8-759-058-54	s IC TC7S00FU(TE85R) [for DXC-637P;EK]
IC11	8-759-082-58	s IC TC7W08FU
IC12	8-759-082-58	s IC TC7W08FU
IC15	8-759-337-17	o IC CY7C291A-50SC-DXC637 V1.00
IC17	8-752-326-69	s IC CXD1035BQ-Z
IC18	8-759-196-96	s IC TC7SH08FU
IC20	8-759-082-58	s IC TC7W08FU
IC22	8-759-196-97	s IC TC7SH32FU
IC23	8-759-079-66	s IC TC74VHC123AFS(EL) [for DXC-637P;EK]
IC24	8-759-058-64	s IC TC7S32FU(TE85R) [for DXC-637P;EK]
IC25	8-759-073-52	s IC TC74AC04F-EL
IC26	8-759-073-52	s IC TC74AC04F-EL
IC27	8-759-073-52	s IC TC74AC04F-EL
IC28	8-759-076-06	s IC TL064CPW
IC29	8-759-172-33	s IC UPD16502GS(1)
IC30	8-759-172-33	s IC UPD16502GS(1)
IC31	8-759-172-33	s IC UPD16502GS(1)
IC32	8-759-049-98	s IC SN74HC74APW-E05
IC33	8-759-058-62	s IC TC7S08FU(TE85R)
IC35	8-759-082-58	s IC TC7W08FU
IC36	8-759-196-96	s IC TC7SH08FU
L1	1-412-026-11	s INDUCTOR CHIP 1uH
L2	1-412-026-11	s INDUCTOR CHIP 1uH
L3	1-412-026-11	s INDUCTOR CHIP 1uH
L4	1-410-385-11	s INDUCTOR, CHIP 22uH
L5	1-410-658-31	s INDUCTOR CHIP 220uH
L10	1-410-389-31	s INDUCTOR CHIP 47uH
L11	1-412-282-41	s INDUCTOR 470uH
L12	1-410-393-11	s INDUCTOR CHIP 100uH
Q1	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q2	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q3	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q4	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q5	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q6	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q7	8-729-402-84	s TRANSISTOR XN4601
Q8	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q9	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q20	8-729-216-22	s TRANSISTOR 2SA1162
Q21	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q22	8-729-140-47	s TRANSISTOR 2SC3735-T2B-B35

Please see page D-13 for the part numbers of resistor that is not the parts list.

## (MB-597(N)/597(P) BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q23	8-729-112-65 s	TRANSISTOR 2SA1462
Q24	8-729-112-65 s	TRANSISTOR 2SA1462
Q25	8-729-140-47 s	TRANSISTOR 2SC3735-T2B-B35
Q26	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q27	8-729-216-22 s	TRANSISTOR 2SA1162
Q28	8-729-216-22 s	TRANSISTOR 2SA1162
Q29	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q35	8-729-101-07 s	TRANSISTOR 2SB798
Q36	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q37	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q38	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q39	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q40	8-729-101-07 s	TRANSISTOR 2SB798
Q41	8-729-807-51 s	TRANSISTOR 2SD1623-S
Q42	8-729-143-13 s	TRANSISTOR 2SC4176-B34
Q43	8-729-143-07 s	TRANSISTOR 2SA1610-Y33
Q44	8-729-143-13 s	TRANSISTOR 2SC4176-B34
Q45	8-729-143-07 s	TRANSISTOR 2SA1610-Y33
R14	1-211-990-11 s	METAL 75 0.50% 1/16W
R15	1-211-990-11 s	METAL 75 0.50% 1/16W
R16	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R24	1-218-870-11 s	METAL 9.1K 0.50% 1/16W
R25	1-218-873-11 s	METAL 12K 0.50% 1/16W
R26	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R33	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R65	1-216-857-11 s	METAL, CHIP 1M 5% 1/16W
R67	1-211-969-11 s	METAL 10 0.50% 1/16W
R68	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R70	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R71	1-211-969-11 s	METAL 10 0.50% 1/16W
R72	1-211-969-11 s	METAL 10 0.50% 1/16W
R73	1-211-969-11 s	METAL 10 0.50% 1/16W
R76	1-218-851-11 s	METAL 1.5K 0.50% 1/16W
[for DXC-637P;EK]		
R81	1-216-853-11 s	METAL, CHIP 470K 5% 1/16W
R82	1-216-853-11 s	METAL, CHIP 470K 5% 1/16W
R83	1-216-857-11 s	METAL, CHIP 1M 5% 1/16W
R84	1-216-853-11 s	METAL, CHIP 470K 5% 1/16W
R85	1-216-853-11 s	METAL, CHIP 470K 5% 1/16W
R90	1-211-977-11 s	METAL 22 0.50% 1/16W
R92	1-216-853-11 s	METAL, CHIP 470K 5% 1/16W
R93	1-216-853-11 s	METAL, CHIP 470K 5% 1/16W
R101	1-211-981-11 s	METAL 33 0.50% 1/16W
R103	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R104	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R105	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R106	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R107	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R108	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R109	1-211-969-11 s	METAL 10 0.50% 1/16W
R110	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R112	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R129	1-218-851-11 s	METAL 1.5K 0.50% 1/16W
R133	1-218-897-11 s	METAL 120K 0.50% 1/16W
R142	1-211-969-11 s	METAL 10 0.50% 1/16W
R143	1-211-969-11 s	METAL 10 0.50% 1/16W
R144	1-211-969-11 s	METAL 10 0.50% 1/16W
R149	1-218-851-11 s	METAL 1.5K 0.50% 1/16W
R155	1-216-864-11 s	METAL, CHIP 0 5% 1/16W

## (MB-597(N)/597(P) BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R156	1-211-969-11 s	METAL 10 0.50% 1/16W
R160	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R161	1-211-969-11 s	METAL 10 0.50% 1/16W
R162	1-211-969-11 s	METAL 10 0.50% 1/16W
R163	1-211-969-11 s	METAL 10 0.50% 1/16W
R164	1-211-969-11 s	METAL 10 0.50% 1/16W
R165	1-211-969-11 s	METAL 10 0.50% 1/16W
R166	1-211-969-11 s	METAL 10 0.50% 1/16W
R167	1-211-969-11 s	METAL 10 0.50% 1/16W
R168	1-211-977-11 s	METAL 22 0.50% 1/16W
R169	1-211-977-11 s	METAL 22 0.50% 1/16W
R170	1-211-977-11 s	METAL 22 0.50% 1/16W
R171	1-211-977-11 s	METAL 22 0.50% 1/16W
R172	1-211-977-11 s	METAL 22 0.50% 1/16W
R173	1-211-977-11 s	METAL 22 0.50% 1/16W

PA-185(G) BOARD

Ref. No.

or Q'ty Part No. SP Description

1pc	1-565-977-11	s	CONTACT, FEMALE AWG 28-32
2pcs	1-566-988-11	o	HOUSING, CONNECTOR 2P
1pc	1-569-191-11	o	CONTACT, AWG22-26
1pc	1-569-193-11	o	CONTACT, AWG24-30
1pc	1-569-195-11	s	HOUSING, CONNECTOR 2P
C1	1-135-213-21	s	TANTALUM, CHIP 3.3uF 20% 25V
C2	1-135-213-21	s	TANTALUM, CHIP 3.3uF 20% 25V
C3	1-135-213-21	s	TANTALUM, CHIP 3.3uF 20% 25V
C4	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C5	1-135-213-21	s	TANTALUM, CHIP 3.3uF 20% 25V
C6	1-135-213-21	s	TANTALUM, CHIP 3.3uF 20% 25V
C7	1-162-959-11	s	CERAMIC 330PF 5% 50V
C8	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C10	1-135-213-21	s	TANTALUM, CHIP 3.3uF 20% 25V
C11	1-135-164-21	s	TANTALUM, CHIP 22uF 20% 10V
C12	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C13	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C14	1-164-156-11	s	CERAMIC 0.1uF 25V
C15	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C16	1-162-908-11	s	CERAMIC 3PF 0.25PF 50V
C17	1-164-156-11	s	CERAMIC 0.1uF 25V
C18	1-164-156-11	s	CERAMIC 0.1uF 25V
C19	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C21	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C22	1-164-156-11	s	CERAMIC 0.1uF 25V
C23	1-104-913-11	s	TANTALUM 10uF 20% 16V
C24	1-164-156-11	s	CERAMIC 0.1uF 25V
C26	1-104-913-11	s	TANTALUM 10uF 20% 16V
C27	1-164-156-11	s	CERAMIC 0.1uF 25V
C28	1-162-915-11	s	CERAMIC, CHIP 10PF 5PF 50V
C29	1-162-908-11	s	CERAMIC 3PF 0.25PF 50V
C32	1-162-912-11	s	CERAMIC 7PF 0.5PF 50V
C33	1-164-156-11	s	CERAMIC 0.1uF 25V
C34	1-104-917-11	s	TANTALUM 15uF 20% 20V
C35	1-126-400-11	s	ELECT, CHIP 22uF 20% 35V
C36	1-164-156-11	s	CERAMIC 0.1uF 25V
C37	1-135-165-11	s	TANTALUM, CHIP 33uF 10% 16V
C38	1-107-686-11	s	TANTALUM 4.7uF 20% 16V
C39	1-164-156-11	s	CERAMIC 0.1uF 25V
C40	1-104-913-11	s	TANTALUM 10uF 20% 16V
C42	1-164-156-11	s	CERAMIC 0.1uF 25V
CN1	1-766-235-11	s	HOUSING, 26P
D1	8-719-123-82	s	DIODE 1SS303
D2	8-719-017-42	s	DIODE HSM88WA
IC2	8-759-287-60	s	IC TC7SH08FU-TE85L
IC3	8-759-075-53	s	IC LM35DM
IC5	8-759-287-60	s	IC TC7SH08FU-TE85L
Q1	8-729-101-25	s	TRANSISTOR 2SC1009A
Q3	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q4	8-769-401-67	s	TRANSISTOR 3SK163-1
Q5	8-729-117-32	s	TRANSISTOR 2SC4177
Q6	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q7	8-769-401-67	s	TRANSISTOR 3SK163-1
Q8	8-729-117-32	s	TRANSISTOR 2SC4177
Q9	8-729-117-16	s	TRANSISTOR 2SA1611-M6
Q10	8-769-401-67	s	TRANSISTOR 3SK163-1
Q11	8-729-117-32	s	TRANSISTOR 2SC4177

(PA-185(G) BOARD)

Ref. No.

or Q'ty Part No. SP Description

Q12	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q13	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q14	8-769-401-67	s	TRANSISTOR 3SK163-1
Q15	8-729-117-32	s	TRANSISTOR 2SC4177
Q16	8-729-117-16	s	TRANSISTOR 2SA1611-M6
Q17	8-769-401-67	s	TRANSISTOR 3SK163-1
Q18	8-729-117-32	s	TRANSISTOR 2SC4177
Q19	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q20	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q21	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q22	8-729-143-13	s	TRANSISTOR 2SC4176-B34
Q23	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q24	8-729-117-32	s	TRANSISTOR 2SC4177
Q25	8-729-117-32	s	TRANSISTOR 2SC4177
Q26	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q27	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q28	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q29	8-729-143-13	s	TRANSISTOR 2SC4176-B34
Q30	8-729-117-32	s	TRANSISTOR 2SC4177
Q32	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q33	8-729-117-32	s	TRANSISTOR 2SC4177
Q34	8-729-117-32	s	TRANSISTOR 2SC4177
Q35	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
R3	1-218-889-11	s	METAL 56K 0.50% 1/16W
R5	1-218-837-11	s	METAL 390 0.50% 1/16W
R9	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R16	1-211-981-11	s	METAL 33 0.50% 1/16W
R21	1-211-981-11	s	METAL 33 0.50% 1/16W
R22	1-211-969-11	s	METAL 10 0.50% 1/16W
R27	1-211-981-11	s	METAL 33 0.50% 1/16W
R30	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R33	1-211-981-11	s	METAL 33 0.50% 1/16W
R37	1-211-981-11	s	METAL 33 0.50% 1/16W
R39	1-218-845-11	s	METAL 820 0.50% 1/16W
R43	1-218-845-11	s	METAL 820 0.50% 1/16W
R53	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R54	1-218-873-11	s	METAL 12K 0.50% 1/16W
R56	1-218-660-91	s	METAL 47 0.50% 1/16W
R57	1-218-899-11	s	METAL 150K 0.50% 1/16W
R58	1-218-883-11	s	METAL 33K 0.50% 1/16W
R59	1-218-883-11	s	METAL 33K 0.50% 1/16W
R65	1-218-867-11	s	METAL 6.8K 0.50% 1/16W
R66	1-218-851-11	s	METAL 1.5K 0.50% 1/16W
R73	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R77	1-218-881-11	s	METAL 27K 0.50% 1/16W
R78	1-218-883-11	s	METAL 33K 0.50% 1/16W
R81	1-218-873-11	s	METAL 12K 0.50% 1/16W
R82	1-211-969-11	s	METAL 10 0.50% 1/16W
R87	1-218-881-11	s	METAL 27K 0.50% 1/16W
R90	1-218-873-11	s	METAL 12K 0.50% 1/16W
RV1	1-237-038-11	s	RES, ADJ, METAL 50K
RV2	1-241-263-11	s	RES, ADJ, METALT 5K
W1	1-954-555-11	o	HARNESS, SUB (PA185-1)
W2	1-954-558-11	o	HARNESS, SUB (PA185-2)

Please see page D-13 for the part numbers of resistor that is not the parts list.

PA-190(R) BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-565-977-11	s CONTACT, FEMALE AWG 28-32
2pcs	1-566-988-11	o HOUSING, CONNECTOR 2P
1pc	1-569-191-11	o CONTACT, AWG22-26
1pc	1-569-193-11	o CONTACT, AWG24-30
1pc	1-569-195-31	s HOUSING, 2P
C1	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C2	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C3	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C4	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C5	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C6	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C7	1-162-959-11	s CERAMIC 330PF 5% 50V
C8	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C10	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C11	1-135-164-21	s TANTALUM, CHIP 22uF 20% 10V
C12	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C13	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C14	1-164-156-11	s CERAMIC 0.1uF 25V
C15	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C16	1-162-905-11	s CERAMIC 1PF 0.25PF 50V
C17	1-164-156-11	s CERAMIC 0.1uF 25V
C18	1-164-156-11	s CERAMIC 0.1uF 25V
C19	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C21	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C22	1-164-156-11	s CERAMIC 0.1uF 25V
C23	1-104-913-11	s TANTALUM 10uF 20% 16V
C24	1-164-156-11	s CERAMIC 0.1uF 25V
C26	1-104-913-11	s TANTALUM 10uF 20% 16V
C27	1-164-156-11	s CERAMIC 0.1uF 25V
C28	1-162-915-11	s CERAMIC, CHIP 10PF 5PF 50V
C29	1-162-905-11	s CERAMIC 1PF 0.25PF 50V
C32	1-162-912-11	s CERAMIC 7PF 0.5PF 50V
C33	1-164-156-11	s CERAMIC 0.1uF 25V
C34	1-104-917-11	s TANTALUM 15uF 20% 20V
C35	1-126-400-11	s ELECT, CHIP 22uF 20% 35V
C36	1-164-156-11	s CERAMIC 0.1uF 25V
C37	1-135-165-11	s TANTALUM, CHIP 33uF 10% 16V
C38	1-107-686-11	s TANTALUM 4.7uF 20% 16V
C39	1-164-156-11	s CERAMIC 0.1uF 25V
C40	1-104-913-11	s TANTALUM 10uF 20% 16V
C42	1-164-156-11	s CERAMIC 0.1uF 25V
CN1	1-766-235-11	s HOUSING, 26P
D1	8-719-123-82	s DIODE 1SS303
D2	8-719-017-42	s DIODE HSM88WA
IC2	8-759-287-60	s IC TC7SH08FU-TE85L
IC5	8-759-287-60	s IC TC7SH08FU-TE85L
Q1	8-729-101-25	s TRANSISTOR 2SC1009A
Q3	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q4	8-769-401-67	s TRANSISTOR 3SK163-1
Q5	8-729-117-32	s TRANSISTOR 2SC4177
Q6	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q7	8-769-401-67	s TRANSISTOR 3SK163-1
Q8	8-729-117-32	s TRANSISTOR 2SC4177
Q9	8-729-117-16	s TRANSISTOR 2SA1611-M6
Q10	8-769-401-67	s TRANSISTOR 3SK163-1
Q11	8-729-117-32	s TRANSISTOR 2SC4177

(PA-190(R) BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q12	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q13	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q14	8-769-401-67	s TRANSISTOR 3SK163-1
Q15	8-729-117-32	s TRANSISTOR 2SC4177
Q16	8-729-117-16	s TRANSISTOR 2SA1611-M6
Q17	8-769-401-67	s TRANSISTOR 3SK163-1
Q18	8-729-117-32	s TRANSISTOR 2SC4177
Q19	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q20	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q21	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q22	8-729-143-13	s TRANSISTOR 2SC4176-B34
Q23	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q24	8-729-117-32	s TRANSISTOR 2SC4177
Q25	8-729-117-32	s TRANSISTOR 2SC4177
Q26	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q27	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q28	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q29	8-729-143-13	s TRANSISTOR 2SC4176-B34
Q30	8-729-117-32	s TRANSISTOR 2SC4177
Q32	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q33	8-729-117-32	s TRANSISTOR 2SC4177
Q34	8-729-117-32	s TRANSISTOR 2SC4177
Q35	8-729-143-07	s TRANSISTOR 2SA1610-Y33
R3	1-218-889-11	s METAL 56K 0.50% 1/16W
R5	1-218-837-11	s METAL 390 0.50% 1/16W
R9	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R16	1-211-981-11	s METAL 33 0.50% 1/16W
R21	1-211-981-11	s METAL 33 0.50% 1/16W
R22	1-211-969-11	s METAL 10 0.50% 1/16W
R27	1-211-981-11	s METAL 33 0.50% 1/16W
R30	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R33	1-211-981-11	s METAL 33 0.50% 1/16W
R37	1-211-981-11	s METAL 33 0.50% 1/16W
R39	1-218-845-11	s METAL 820 0.50% 1/16W
R43	1-218-845-11	s METAL 820 0.50% 1/16W
R53	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R56	1-218-660-91	s METAL 47 0.50% 1/16W
R57	1-218-899-11	s METAL 150K 0.50% 1/16W
R58	1-218-883-11	s METAL 33K 0.50% 1/16W
R59	1-218-883-11	s METAL 33K 0.50% 1/16W
R65	1-218-867-11	s METAL 6.8K 0.50% 1/16W
R66	1-218-851-11	s METAL 1.5K 0.50% 1/16W
R73	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R77	1-218-881-11	s METAL 27K 0.50% 1/16W
R78	1-218-883-11	s METAL 33K 0.50% 1/16W
R81	1-218-873-11	s METAL 12K 0.50% 1/16W
R82	1-211-969-11	s METAL 10 0.50% 1/16W
R87	1-218-881-11	s METAL 27K 0.50% 1/16W
RV1	1-237-038-11	s RES, ADJ, METAL 50K
RV2	1-241-263-11	s RES, ADJ, METAL 5K
W1	1-954-556-11	o HARNESS, SUB (PA190-1)
W2	1-954-559-11	o HARNESS, SUB (PA190-2)

PA-191(B) BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-565-977-11	s CONTACT, FEMALE AWG 28-32
2pcs	1-566-988-11	o HOUSING, CONNECTOR 2P
1pc	1-569-191-11	o CONTACT, AWG22-26
1pc	1-569-193-11	o CONTACT, AWG24-30
1pc	1-569-195-41	o HOUSING, 2P
C1	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C2	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C3	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C4	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C5	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C6	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C7	1-162-959-11	s CERAMIC 330PF 5% 50V
C8	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C10	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C11	1-135-164-21	s TANTALUM, CHIP 22uF 20% 10V
C12	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C13	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C14	1-164-156-11	s CERAMIC 0.1uF 25V
C15	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C17	1-164-156-11	s CERAMIC 0.1uF 25V
C18	1-164-156-11	s CERAMIC 0.1uF 25V
C19	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C21	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C22	1-164-156-11	s CERAMIC 0.1uF 25V
C23	1-104-913-11	s TANTALUM 10uF 20% 16V
C24	1-164-156-11	s CERAMIC 0.1uF 25V
C26	1-104-913-11	s TANTALUM 10uF 20% 16V
C27	1-164-156-11	s CERAMIC 0.1uF 25V
C28	1-162-915-11	s CERAMIC, CHIP 10PF 5PF 50V
C32	1-162-912-11	s CERAMIC 7PF 0.5PF 50V
C33	1-164-156-11	s CERAMIC 0.1uF 25V
C34	1-104-917-11	s TANTALUM 15uF 20% 20V
C35	1-126-400-11	s ELECT, CHIP 22uF 20% 35V
C36	1-164-156-11	s CERAMIC 0.1uF 25V
C37	1-135-165-11	s TANTALUM, CHIP 33uF 10% 16V
C38	1-107-686-11	s TANTALUM 4.7uF 20% 16V
C39	1-164-156-11	s CERAMIC 0.1uF 25V
C40	1-104-913-11	s TANTALUM 10uF 20% 16V
C42	1-164-156-11	s CERAMIC 0.1uF 25V
CN1	1-766-235-11	s HOUSING, 26P
D1	8-719-123-82	s DIODE 1SS303
D2	8-719-017-42	s DIODE HSM88WA
IC2	8-759-287-60	s IC TC7SH08FU-TE85L
IC5	8-759-287-60	s IC TC7SH08FU-TE85L
Q1	8-729-101-25	s TRANSISTOR 2SC1009A
Q3	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q4	8-769-401-67	s TRANSISTOR 3SK163-1
Q5	8-729-117-32	s TRANSISTOR 2SC4177
Q6	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q7	8-769-401-67	s TRANSISTOR 3SK163-1
Q8	8-729-117-32	s TRANSISTOR 2SC4177
Q9	8-729-117-16	s TRANSISTOR 2SA1611-M6
Q10	8-769-401-67	s TRANSISTOR 3SK163-1
Q11	8-729-117-32	s TRANSISTOR 2SC4177
Q12	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q13	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q14	8-769-401-67	s TRANSISTOR 3SK163-1

(PA-191(B) BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q15	8-729-117-32	s TRANSISTOR 2SC4177
Q16	8-729-117-16	s TRANSISTOR 2SA1611-M6
Q17	8-769-401-67	s TRANSISTOR 3SK163-1
Q18	8-729-117-32	s TRANSISTOR 2SC4177
Q19	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q20	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q21	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q22	8-729-143-13	s TRANSISTOR 2SC4176-B34
Q23	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q24	8-729-117-32	s TRANSISTOR 2SC4177
Q25	8-729-117-32	s TRANSISTOR 2SC4177
Q26	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q27	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q28	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q29	8-729-143-13	s TRANSISTOR 2SC4176-B34
Q30	8-729-117-32	s TRANSISTOR 2SC4177
Q32	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q33	8-729-117-32	s TRANSISTOR 2SC4177
Q34	8-729-117-32	s TRANSISTOR 2SC4177
Q35	8-729-143-07	s TRANSISTOR 2SA1610-Y33
R3	1-218-889-11	s METAL 56K 0.50% 1/16W
R5	1-218-837-11	s METAL 390 0.50% 1/16W
R9	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R16	1-211-981-11	s METAL 33 0.50% 1/16W
R21	1-211-981-11	s METAL 33 0.50% 1/16W
R22	1-211-969-11	s METAL 10 0.50% 1/16W
R27	1-211-981-11	s METAL 33 0.50% 1/16W
R30	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R33	1-211-981-11	s METAL 33 0.50% 1/16W
R37	1-211-981-11	s METAL 33 0.50% 1/16W
R39	1-218-845-11	s METAL 820 0.50% 1/16W
R43	1-218-845-11	s METAL 820 0.50% 1/16W
R53	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R56	1-218-660-91	s METAL 47 0.50% 1/16W
R57	1-218-899-11	s METAL 150K 0.50% 1/16W
R58	1-218-883-11	s METAL 33K 0.50% 1/16W
R59	1-218-883-11	s METAL 33K 0.50% 1/16W
R65	1-218-867-11	s METAL 6.8K 0.50% 1/16W
R66	1-218-851-11	s METAL 1.5K 0.50% 1/16W
R73	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R77	1-218-881-11	s METAL 27K 0.50% 1/16W
R78	1-218-883-11	s METAL 33K 0.50% 1/16W
R81	1-218-873-11	s METAL 12K 0.50% 1/16W
R82	1-211-969-11	s METAL 10 0.50% 1/16W
R87	1-218-881-11	s METAL 27K 0.50% 1/16W
RV1	1-237-038-11	s RES, ADJ, METAL 50K
RV2	1-241-263-11	s RES, ADJ, METAL 5K
W1	1-954-557-11	o HARNESS, SUB (PA191-1)
W2	1-954-560-11	o HARNESS, SUB (PA191-2)

Please see page D-13 for the part numbers of resistor that is not the parts list.

## PR-209 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8310-968-A	o MOUNTED CIRCUIT BOARD, PR-209 [for DXC-637;J, DXC-637P;EK]
1pc	A-8310-954-A	o MOUNTED CIRCUIT BOARD, PR-209 [for DXC-637;UC]
2pcs	7-627-554-27	s SCREW, PRECITION +P 2X6 TYPE1
1pc	3-699-005-01	o SUPPORT, TG-18
1pc	7-621-772-18	s SCREW +B 2X4
C1	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C2	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C3	1-107-685-11	s TANTALUM 15uF 20% 6.3V
C4	1-126-391-11	s ELECT, CHIP 47uF 20% 6.3V
C5	1-126-391-11	s ELECT, CHIP 47uF 20% 6.3V
C6	1-164-156-11	s CERAMIC 0.1uF 25V
C7	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C8	1-107-689-21	s TANTALUM 1uF 20% 35V
C9	1-135-072-21	s TANTALUM, CHIP 0.22uF 10% 35V
C10	1-107-689-21	s TANTALUM 1uF 20% 35V
C11	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C12	1-107-689-21	s TANTALUM 1uF 20% 35V
C13	1-104-916-11	s TANTALUM 6.8uF 20% 20V
C14	1-104-913-11	s TANTALUM 10uF 20% 16V
C15	1-104-752-11	s TANTALUM 33uF 20% 6.3V
C101	1-162-974-11	s CERAMIC 0.01uF 50V
C102	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C103	1-104-913-11	s TANTALUM 10uF 20% 16V
C104	1-107-685-11	s TANTALUM 15uF 20% 6.3V
C105	1-164-156-11	s CERAMIC 0.1uF 25V
C106	1-164-156-11	s CERAMIC 0.1uF 25V
C107	1-135-180-21	s TANTALUM, CHIP 3.3uF 20% 6.3V
C108	1-135-180-21	s TANTALUM, CHIP 3.3uF 20% 6.3V
C109	1-164-156-11	s CERAMIC 0.1uF 25V
C110	1-164-156-11	s CERAMIC 0.1uF 25V
C111	1-162-911-11	s CERAMIC, CHIP 6PF 50V
C112	1-164-156-11	s CERAMIC 0.1uF 25V
C113	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C115	1-164-156-11	s CERAMIC 0.1uF 25V
C117	1-164-156-11	s CERAMIC 0.1uF 25V
C118	1-135-180-21	s TANTALUM, CHIP 3.3uF 20% 6.3V
C119	1-135-180-21	s TANTALUM, CHIP 3.3uF 20% 6.3V
C120	1-164-156-11	s CERAMIC 0.1uF 25V
C121	1-162-911-11	s CERAMIC, CHIP 6PF 50V
C123	1-104-916-11	s TANTALUM 6.8uF 20% 20V
C124	1-135-072-21	s TANTALUM, CHIP 0.22uF 10% 35V
C125	1-135-072-21	s TANTALUM, CHIP 0.22uF 10% 35V
C126	1-164-315-11	s CERAMIC 470PF 5% 50V
C127	1-104-563-11	s FILM, CHIP 0.1uF 5% 16V
C201	1-162-974-11	s CERAMIC 0.01uF 50V
C202	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C203	1-104-913-11	s TANTALUM 10uF 20% 16V
C204	1-107-685-11	s TANTALUM 15uF 20% 6.3V
C205	1-164-156-11	s CERAMIC 0.1uF 25V
C206	1-164-156-11	s CERAMIC 0.1uF 25V
C207	1-135-180-21	s TANTALUM, CHIP 3.3uF 20% 6.3V
C208	1-135-180-21	s TANTALUM, CHIP 3.3uF 20% 6.3V
C209	1-164-156-11	s CERAMIC 0.1uF 25V
C210	1-164-156-11	s CERAMIC 0.1uF 25V
C211	1-162-911-11	s CERAMIC, CHIP 6PF 50V
C212	1-164-156-11	s CERAMIC 0.1uF 25V
C213	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V

## (PR-209 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C215	1-164-156-11	s CERAMIC 0.1uF 25V
C217	1-164-156-11	s CERAMIC 0.1uF 25V
C218	1-135-180-21	s TANTALUM, CHIP 3.3uF 20% 6.3V
C219	1-135-180-21	s TANTALUM, CHIP 3.3uF 20% 6.3V
C220	1-164-156-11	s CERAMIC 0.1uF 25V
C221	1-162-911-11	s CERAMIC, CHIP 6PF 50V
C223	1-135-072-21	s TANTALUM, CHIP 0.22uF 10% 35V
C224	1-135-072-21	s TANTALUM, CHIP 0.22uF 10% 35V
C225	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C226	1-164-315-11	s CERAMIC 470PF 5% 50V
C227	1-104-563-11	s FILM, CHIP 0.1uF 5% 16V
C301	1-164-156-11	s CERAMIC 0.1uF 25V
C302	1-162-974-11	s CERAMIC 0.01uF 50V
C303	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C304	1-104-913-11	s TANTALUM 10uF 20% 16V
C305	1-107-685-11	s TANTALUM 15uF 20% 6.3V
C306	1-164-156-11	s CERAMIC 0.1uF 25V
C307	1-164-156-11	s CERAMIC 0.1uF 25V
C308	1-135-180-21	s TANTALUM, CHIP 3.3uF 20% 6.3V
C309	1-135-180-21	s TANTALUM, CHIP 3.3uF 20% 6.3V
C310	1-164-156-11	s CERAMIC 0.1uF 25V
C311	1-164-156-11	s CERAMIC 0.1uF 25V
C312	1-162-911-11	s CERAMIC, CHIP 6PF 50V
C313	1-164-156-11	s CERAMIC 0.1uF 25V
C314	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C316	1-164-156-11	s CERAMIC 0.1uF 25V
C318	1-164-156-11	s CERAMIC 0.1uF 25V
C319	1-135-180-21	s TANTALUM, CHIP 3.3uF 20% 6.3V
C320	1-135-180-21	s TANTALUM, CHIP 3.3uF 20% 6.3V
C321	1-164-156-11	s CERAMIC 0.1uF 25V
C322	1-162-911-11	s CERAMIC, CHIP 6PF 50V
C324	1-135-072-21	s TANTALUM, CHIP 0.22uF 10% 35V
C325	1-135-072-21	s TANTALUM, CHIP 0.22uF 10% 35V
C326	1-164-315-11	s CERAMIC 470PF 5% 50V
C327	1-104-563-11	s FILM, CHIP 0.1uF 5% 16V
C401	1-104-917-11	s TANTALUM 15uF 20% 20V
C402	1-107-685-11	s TANTALUM 15uF 20% 6.3V
C403	1-104-913-11	s TANTALUM 10uF 20% 16V
C404	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C405	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C406	1-104-917-11	s TANTALUM 15uF 20% 20V
C407	1-107-685-11	s TANTALUM 15uF 20% 6.3V
C408	1-104-913-11	s TANTALUM 10uF 20% 16V
C409	1-104-913-11	s TANTALUM 10uF 20% 16V
C410	1-107-685-11	s TANTALUM 15uF 20% 6.3V
C411	1-107-685-11	s TANTALUM 15uF 20% 6.3V
C412	1-162-924-11	s CERAMIC 56PF 5% 50V
C413	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C414	1-165-176-11	s CERAMIC 0.047uF 10% 16V
C415	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C416	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C417	1-164-156-11	s CERAMIC 0.1uF 25V
C418	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
C501	1-104-917-11	s TANTALUM 15uF 20% 20V
C502	1-107-685-11	s TANTALUM 15uF 20% 6.3V
C503	1-104-913-11	s TANTALUM 10uF 20% 16V
C504	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C505	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C506	1-104-917-11	s TANTALUM 15uF 20% 20V

## (PR-209 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C507	1-107-685-11 s	TANTALUM 15uF 20% 6.3V
C508	1-104-913-11 s	TANTALUM 10uF 20% 16V
C509	1-104-913-11 s	TANTALUM 10uF 20% 16V
C510	1-107-685-11 s	TANTALUM 15uF 20% 6.3V
C511	1-107-685-11 s	TANTALUM 15uF 20% 6.3V
C512	1-162-924-11 s	CERAMIC 56PF 5% 50V
C513	1-162-919-11 s	CERAMIC, CHIP 22PF 5% 50V
C514	1-165-176-11 s	CERAMIC 0.047uF 10% 16V
C515	1-135-177-21 s	TANTALUM, CHIP 1uF 10% 25V
C516	1-135-177-21 s	TANTALUM, CHIP 1uF 10% 25V
C517	1-162-920-11 s	CERAMIC, CHIP 27PF 5% 50V
C601	1-104-917-11 s	TANTALUM 15uF 20% 20V
C602	1-107-685-11 s	TANTALUM 15uF 20% 6.3V
C603	1-104-913-11 s	TANTALUM 10uF 20% 16V
C604	1-104-913-11 s	TANTALUM 10uF 20% 16V
C605	1-126-396-11 s	ELECT, CHIP 47uF 20% 16V
C606	1-126-396-11 s	ELECT, CHIP 47uF 20% 16V
C607	1-107-685-11 s	TANTALUM 15uF 20% 6.3V
C608	1-104-917-11 s	TANTALUM 15uF 20% 20V
C609	1-104-913-11 s	TANTALUM 10uF 20% 16V
C610	1-104-913-11 s	TANTALUM 10uF 20% 16V
C611	1-107-685-11 s	TANTALUM 15uF 20% 6.3V
C612	1-107-685-11 s	TANTALUM 15uF 20% 6.3V
C613	1-162-924-11 s	CERAMIC 56PF 5% 50V
C614	1-162-919-11 s	CERAMIC, CHIP 22PF 5% 50V
C615	1-165-176-11 s	CERAMIC 0.047uF 10% 16V
C616	1-135-177-21 s	TANTALUM, CHIP 1uF 10% 25V
C617	1-135-177-21 s	TANTALUM, CHIP 1uF 10% 25V
C618	1-162-920-11 s	CERAMIC, CHIP 27PF 5% 50V
CN1	1-691-856-11 s	CONNECTOR, BOARD TO BOARD 60P
CN2	1-770-582-11 o	CONNECTOR 30P
D1	8-719-157-20 s	DIODE RD4.3M-B
D2	8-719-157-20 s	DIODE RD4.3M-B
D401	8-719-947-01 s	DIODE FMP1
D501	8-719-947-01 s	DIODE FMP1
D601	8-719-404-35 s	DIODE MA141WK
D602	8-719-947-01 s	DIODE FMP1
DL401	1-406-727-21 s	DELAY LINE, LC (165NS)
DL501	1-406-727-21 s	DELAY LINE, LC (165NS)
DL601	1-406-727-21 s	DELAY LINE, LC (165NS)
FL101	1-233-342-11 s	FILTER, TRAP
FL201	1-233-342-11 s	FILTER, TRAP
FL301	1-233-342-11 s	FILTER, TRAP
IC1	8-759-031-84 s	IC SC7S04F
IC2	8-759-234-20 s	IC TC7S08F
IC3	8-759-031-84 s	IC SC7S04F
IC5	8-759-076-06 s	IC TL064CPW
IC101	8-759-066-59 s	IC TC74HC4053AFS
IC102	8-752-068-64 s	IC CXA1486Q
IC103	8-759-076-06 s	IC TL064CPW
IC104	8-759-066-59 s	IC TC74HC4053AFS
IC105	8-759-635-27 s	IC M62352GP
IC201	8-759-066-59 s	IC TC74HC4053AFS
IC202	8-752-068-64 s	IC CXA1486Q
IC203	8-759-076-06 s	IC TL064CPW
IC204	8-759-066-59 s	IC TC74HC4053AFS
IC205	8-759-635-27 s	IC M62352GP

## (PR-209 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
IC301	8-759-066-59 s	IC TC74HC4053AFS
IC302	8-752-068-64 s	IC CXA1486Q
IC303	8-759-234-20 s	IC TC7S08F
IC304	8-759-076-06 s	IC TL064CPW
IC305	8-759-066-59 s	IC TC74HC4053AFS
IC306	8-759-635-27 s	IC M62352GP
IC307	8-759-038-46 s	IC SC7S00F
IC401	8-759-089-61 s	IC TC74HC4052AFS(EL)
IC402	8-759-906-53 s	IC TL062CPS
IC501	8-759-089-61 s	IC TC74HC4052AFS(EL)
IC502	8-759-906-53 s	IC TL062CPS
IC601	8-759-089-61 s	IC TC74HC4052AFS(EL)
IC602	8-759-906-53 s	IC TL062CPS
L101	1-410-380-31 s	INDUCTOR CHIP 8.2uH
L102	1-410-389-31 s	INDUCTOR CHIP 47uH
L201	1-410-380-31 s	INDUCTOR CHIP 8.2uH
L301	1-410-380-31 s	INDUCTOR CHIP 8.2uH
Q1	8-729-101-07 s	TRANSISTOR 2SB798
Q2	8-729-807-51 s	TRANSISTOR 2SD1623-S
Q3	8-729-101-07 s	TRANSISTOR 2SB798
Q4	8-729-402-84 s	TRANSISTOR XN4601
Q5	8-729-402-84 s	TRANSISTOR XN4601
Q6	8-729-402-84 s	TRANSISTOR XN4601
Q101	8-729-905-24 s	TRANSISTOR 2SA1576S
Q102	8-729-905-24 s	TRANSISTOR 2SA1576S
Q103	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q201	8-729-905-24 s	TRANSISTOR 2SA1576S
Q202	8-729-905-24 s	TRANSISTOR 2SA1576S
Q203	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q301	8-729-905-24 s	TRANSISTOR 2SA1576S
Q302	8-729-905-24 s	TRANSISTOR 2SA1576S
Q303	8-729-905-24 s	TRANSISTOR 2SA1576S
Q304	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q401	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q402	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q403	8-729-905-24 s	TRANSISTOR 2SA1576S
Q404	8-729-905-24 s	TRANSISTOR 2SA1576S
Q405	8-729-402-19 s	TRANSISTOR XN6501
Q406	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q407	8-729-402-19 s	TRANSISTOR XN6501
Q408	8-729-402-19 s	TRANSISTOR XN6501
Q409	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q410	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q411	8-729-905-24 s	TRANSISTOR 2SA1576S
Q412	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q413	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q414	8-729-142-90 s	TRANSISTOR 2SK853-K5
Q415	8-729-402-78 s	TRANSISTOR XN6401
Q416	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q501	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q502	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q503	8-729-905-24 s	TRANSISTOR 2SA1576S
Q504	8-729-905-24 s	TRANSISTOR 2SA1576S
Q505	8-729-402-19 s	TRANSISTOR XN6501
Q506	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q507	8-729-402-19 s	TRANSISTOR XN6501
Q508	8-729-402-19 s	TRANSISTOR XN6501
Q509	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6

Please see page D-13 for the part numbers of resistor that is not the parts list.

## (PR-209 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q510	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q511	8-729-905-24 s	TRANSISTOR 2SA1576S
Q512	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q513	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q514	8-729-142-90 s	TRANSISTOR 2SK853-K5
Q515	8-729-402-78 s	TRANSISTOR XN6401
Q516	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q601	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q602	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q603	8-729-905-24 s	TRANSISTOR 2SA1576S
Q604	8-729-905-24 s	TRANSISTOR 2SA1576S
Q605	8-729-402-19 s	TRANSISTOR XN6501
Q606	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q607	8-729-402-19 s	TRANSISTOR XN6501
Q608	8-729-402-19 s	TRANSISTOR XN6501
Q609	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q610	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q611	8-729-905-24 s	TRANSISTOR 2SA1576S
Q612	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q613	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q614	8-729-142-90 s	TRANSISTOR 2SK853-K5
Q615	8-729-402-78 s	TRANSISTOR XN6401
Q616	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
R16	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R17	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R19	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R26	1-218-883-11 s	METAL 33K 0.50% 1/16W
R31	1-218-867-11 s	METAL 6.8K 0.50% 1/16W
R33	1-218-867-11 s	METAL 6.8K 0.50% 1/16W
R35	1-218-867-11 s	METAL 6.8K 0.50% 1/16W
R102	1-218-867-11 s	METAL 6.8K 0.50% 1/16W
R111	1-218-851-11 s	METAL 1.5K 0.50% 1/16W
R152	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R202	1-218-867-11 s	METAL 6.8K 0.50% 1/16W
R211	1-218-851-11 s	METAL 1.5K 0.50% 1/16W
R305	1-218-867-11 s	METAL 6.8K 0.50% 1/16W
R314	1-218-851-11 s	METAL 1.5K 0.50% 1/16W
R408	1-218-858-11 s	METAL 3K 0.50% 1/16W
R410	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R417	1-218-867-11 s	METAL 6.8K 0.50% 1/16W
R418	1-218-867-11 s	METAL 6.8K 0.50% 1/16W
R419	1-218-868-11 s	METAL 7.5K 0.50% 1/16W [for DXC-637;UC]
R421	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R423	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R424	1-218-841-11 s	METAL 560 0.50% 1/16W [for DXC-637;J, DXC-637P;EK]
R425	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R426	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R427	1-218-856-11 s	METAL 2.4K 0.50% 1/16W
R430	1-218-851-11 s	METAL 1.5K 0.50% 1/16W
R431	1-218-856-11 s	METAL 2.4K 0.50% 1/16W [for DXC-637;J, DXC-637P;EK]
R433	1-218-870-11 s	METAL 9.1K 0.50% 1/16W [for DXC-637;J, DXC-637P;EK]
R452	1-218-851-11 s	METAL 1.5K 0.50% 1/16W
R455	1-218-660-91 s	METAL 47 0.50% 1/16W
R456	1-218-846-11 s	METAL 910 0.50% 1/16W
R458	1-211-983-11 s	METAL 39 0.50% 1/16W

## (PR-209 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R460	1-218-844-11 s	METAL 750 0.50% 1/16W
R461	1-211-981-11 s	METAL 33 0.50% 1/16W
R463	1-211-969-11 s	METAL 10 0.50% 1/16W
R464	1-218-883-11 s	METAL 33K 0.50% 1/16W
R465	1-218-844-11 s	METAL 750 0.50% 1/16W
R467	1-218-848-11 s	METAL 1.1K 0.50% 1/16W
R478	1-218-867-11 s	METAL 6.8K 0.50% 1/16W
R483	1-218-867-11 s	METAL 6.8K 0.50% 1/16W
R490	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R507	1-218-858-11 s	METAL 3K 0.50% 1/16W
R509	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R516	1-218-867-11 s	METAL 6.8K 0.50% 1/16W
R517	1-218-867-11 s	METAL 6.8K 0.50% 1/16W
R518	1-218-870-11 s	METAL 9.1K 0.50% 1/16W [for DXC-637;UC]
R520	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R522	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R524	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R525	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R530	1-218-868-11 s	METAL 7.5K 0.50% 1/16W [for DXC-637;J, DXC-637P;EK]
R530	1-218-867-11 s	METAL 6.8K 0.50% 1/16W [for DXC-637;UC]
R531	1-218-851-11 s	METAL 1.5K 0.50% 1/16W [for DXC-637;J, DXC-637P;EK]
R532	1-218-870-11 s	METAL 9.1K 0.50% 1/16W
R533	1-218-841-11 s	METAL 560 0.50% 1/16W [for DXC-637;UC]
R547	1-218-851-11 s	METAL 1.5K 0.50% 1/16W
R550	1-218-660-91 s	METAL 47 0.50% 1/16W
R551	1-218-846-11 s	METAL 910 0.50% 1/16W
R553	1-211-983-11 s	METAL 39 0.50% 1/16W
R555	1-218-844-11 s	METAL 750 0.50% 1/16W
R556	1-211-981-11 s	METAL 33 0.50% 1/16W
R558	1-211-969-11 s	METAL 10 0.50% 1/16W
R559	1-218-883-11 s	METAL 33K 0.50% 1/16W
R560	1-218-844-11 s	METAL 750 0.50% 1/16W
R562	1-218-848-11 s	METAL 1.1K 0.50% 1/16W
R565	1-218-883-11 s	METAL 33K 0.50% 1/16W
R566	1-218-881-11 s	METAL 27K 0.50% 1/16W
R574	1-218-867-11 s	METAL 6.8K 0.50% 1/16W
R579	1-218-867-11 s	METAL 6.8K 0.50% 1/16W
R581	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R607	1-218-858-11 s	METAL 3K 0.50% 1/16W
R609	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R618	1-218-867-11 s	METAL 6.8K 0.50% 1/16W
R619	1-218-867-11 s	METAL 6.8K 0.50% 1/16W
R622	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R624	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R626	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R627	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R632	1-218-867-11 s	METAL 6.8K 0.50% 1/16W [for DXC-637;J, DXC-637P;EK]
R650	1-218-851-11 s	METAL 1.5K 0.50% 1/16W
R653	1-218-660-91 s	METAL 47 0.50% 1/16W
R654	1-218-846-11 s	METAL 910 0.50% 1/16W
R656	1-211-983-11 s	METAL 39 0.50% 1/16W
R658	1-218-844-11 s	METAL 750 0.50% 1/16W
R659	1-211-981-11 s	METAL 33 0.50% 1/16W
R661	1-211-969-11 s	METAL 10 0.50% 1/16W

## (PR-209 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R662	1-218-883-11	s METAL 33K 0.50% 1/16W
R663	1-218-844-11	s METAL 750 0.50% 1/16W
R665	1-218-848-11	s METAL 1.1K 0.50% 1/16W
R675	1-218-867-11	s METAL 6.8K 0.50% 1/16W
R681	1-218-867-11	s METAL 6.8K 0.50% 1/16W
R683	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R999	1-216-864-11	s METAL, CHIP 0 5% 1/16W
RV101	1-241-264-11	s RES, ADJ, METALT 10K
RV103	1-238-855-11	s RES, ADJ, METAL 4.7K
RV201	1-241-264-11	s RES, ADJ, METALT 10K
RV202	1-238-855-11	s RES, ADJ, METAL 4.7K
RV301	1-241-264-11	s RES, ADJ, METALT 10K
RV302	1-238-855-11	s RES, ADJ, METAL 4.7K
RV401	1-238-852-11	s RES, ADJ METAL 470
RV404	1-238-853-11	s RES, ADJ, METAL 1K
RV405	1-238-855-11	s RES, ADJ, METAL 4.7K
RV406	1-241-266-11	s RES, ADJ, METAL 50K
RV407	1-238-854-11	s RES, ADJ, METAL 2.2K
RV501	1-238-852-11	s RES, ADJ METAL 470
RV504	1-238-853-11	s RES, ADJ, METAL 1K
RV505	1-238-855-11	s RES, ADJ, METAL 4.7K
RV506	1-241-266-11	s RES, ADJ, METAL 50K
RV601	1-238-852-11	s RES, ADJ METAL 470
RV604	1-238-853-11	s RES, ADJ, METAL 1K
RV605	1-238-855-11	s RES, ADJ, METAL 4.7K
RV606	1-241-266-11	s RES, ADJ, METAL 50K
S301	1-571-275-31	s SWITCH, SLIDE
S401	1-571-275-31	s SWITCH, SLIDE
S501	1-571-275-31	s SWITCH, SLIDE
S601	1-571-275-31	s SWITCH, SLIDE
S602	1-571-275-31	s SWITCH, SLIDE

## PSW-30 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8310-950-A	o MOUNTED CIRCUIT BOARD, PSW-30
1pc	1-506-859-11	s HOUSING, BOARD IN CONNECTOR 8P
C1	1-126-941-11	s ELECT 470uF 20% 25V
CB1	1-532-681-00	s CIRCUIT BREAKER 4A 125V
R1	1-215-425-00	s METAL 1.5K 1% 1/6W
R2	1-215-373-31	s METAL 10 1% 1/6W
S1	1-762-348-11	s SWITCH, TOGGLE
S2	1-762-347-11	s SWITCH, TOGGLE
W1	1-954-553-11	o HARNESS, SUB (SW-2)

## SE-234 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8310-946-A	o MOUNTED CIRCUIT BOARD, SE-234
CN1	1-573-806-21	s PIN, CONNECTOR 6P
PH1	8-749-925-05	s REFLECTOR NJL5183KA-F20-TE1
PH2	8-749-925-05	s REFLECTOR NJL5183KA-F20-TE1

SG-232(N)/232(P) BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8310-957-A	o MOUNTED CIRCUIT BOARD, SG-232 (N) [for DXC-637;J, DXC-637;UC]
1pc	A-8310-977-A	o MOUNTED CIRCUIT BOARD, SG-232 (P) [for DXC-637P;EK]
C1	1-104-913-11	s TANTALUM 10uF 20% 16V
C2	1-135-159-21	s TANTALUM, CHIP 10uF 10% 20V
C3	1-164-156-11	s CERAMIC 0.1uF 25V
C4	1-126-391-11	s ELECT, CHIP 47uF 20% 6.3V
C5	1-128-453-21	s ELECT 47uF 20% 6.3V
C6	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C7	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C8	1-164-156-11	s CERAMIC 0.1uF 25V
C9	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C10	1-135-165-11	s TANTALUM, CHIP 33uF 10% 16V
C11	1-162-925-11	s CERAMIC, CHIP 68PF 5% 50V [for DXC-637;J, DXC-637;UC]
C11	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V [for DXC-637P;EK]
C12	1-135-073-00	s TANTALUM, CHIP 0.33uF 10% 35V
C13	1-162-922-11	s CERAMIC, CHIP 39PF 5% 50V
C14	1-164-156-11	s CERAMIC 0.1uF 25V
C15	1-164-156-11	s CERAMIC 0.1uF 25V
C16	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C17	1-162-974-11	s CERAMIC 0.01uF 50V
C18	1-164-156-11	s CERAMIC 0.1uF 25V
C19	1-164-156-11	s CERAMIC 0.1uF 25V
C20	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C21	1-164-156-11	s CERAMIC 0.1uF 25V
C22	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C23	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C24	1-135-159-21	s TANTALUM, CHIP 10uF 10% 20V
C25	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C26	1-162-974-11	s CERAMIC 0.01uF 50V
C27	1-126-393-11	s ELECT 33uF 20% 10V
C28	1-164-156-11	s CERAMIC 0.1uF 25V
C29	1-164-156-11	s CERAMIC 0.1uF 25V
C30	1-104-913-11	s TANTALUM 10uF 20% 16V
C31	1-135-091-91	s TANTALUM 1uF 20% 16V
C32	1-162-974-11	s CERAMIC 0.01uF 50V
C33	1-162-974-11	s CERAMIC 0.01uF 50V
C34	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C35	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C36	1-104-913-11	s TANTALUM 10uF 20% 16V
C37	1-162-974-11	s CERAMIC 0.01uF 50V
C38	1-164-156-11	s CERAMIC 0.1uF 25V
C39	1-164-156-11	s CERAMIC 0.1uF 25V
C40	1-104-913-11	s TANTALUM 10uF 20% 16V
C41	1-164-156-11	s CERAMIC 0.1uF 25V
C46	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V [for DXC-637P;EK]
C47	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C48	1-164-156-11	s CERAMIC 0.1uF 25V
C49	1-164-156-11	s CERAMIC 0.1uF 25V
C50	1-104-913-11	s TANTALUM 10uF 20% 16V
C51	1-162-974-11	s CERAMIC 0.01uF 50V
C52	1-164-156-11	s CERAMIC 0.1uF 25V
C53	1-104-916-11	s TANTALUM 6.8uF 20% 20V
C54	1-164-156-11	s CERAMIC 0.1uF 25V
C55	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V

(SG-232(N)/232(P) BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C56	1-164-156-11	s CERAMIC 0.1uF 25V
C57	1-164-156-11	s CERAMIC 0.1uF 25V
C58	1-104-916-11	s TANTALUM 6.8uF 20% 20V
C59	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C60	1-164-156-11	s CERAMIC 0.1uF 25V
C61	1-164-363-11	s CERAMIC 560PF 5% 50V
C62	1-104-916-11	s TANTALUM 6.8uF 20% 20V
C63	1-164-156-11	s CERAMIC 0.1uF 25V
C64	1-164-156-11	s CERAMIC 0.1uF 25V
C65	1-164-156-11	s CERAMIC 0.1uF 25V
C66	1-164-156-11	s CERAMIC 0.1uF 25V
C67	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V [for DXC-637;J, DXC-637;UC]
C67	1-162-918-11	s CERAMIC, CHIP 18PF 5% 50V [for DXC-637P;EK]
C68	1-162-974-11	s CERAMIC 0.01uF 50V
C69	1-126-393-11	s ELECT 33uF 20% 10V
C70	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C71	1-164-156-11	s CERAMIC 0.1uF 25V
C72	1-164-156-11	s CERAMIC 0.1uF 25V
C73	1-164-156-11	s CERAMIC 0.1uF 25V
C74	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C75	1-126-393-11	s ELECT 33uF 20% 10V
C76	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C77	1-164-156-11	s CERAMIC 0.1uF 25V
C78	1-164-156-11	s CERAMIC 0.1uF 25V
C79	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C80	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C81	1-164-156-11	s CERAMIC 0.1uF 25V
C82	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C83	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C84	1-135-145-11	s TANTALUM, CHIP 0.47uF 10% 35V
C85	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C86	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V [for DXC-637;J, DXC-637;UC]
C86	1-162-925-11	s CERAMIC, CHIP 68PF 5% 50V [for DXC-637P;EK]
C87	1-162-925-11	s CERAMIC, CHIP 68PF 5% 50V
C88	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C89	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C90	1-164-156-11	s CERAMIC 0.1uF 25V
C91	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C92	1-135-145-11	s TANTALUM, CHIP 0.47uF 10% 35V
C93	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C94	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C95	1-126-393-11	s ELECT 33uF 20% 10V
C96	1-164-156-11	s CERAMIC 0.1uF 25V
C97	1-164-156-11	s CERAMIC 0.1uF 25V
C98	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C99	1-126-394-11	s ELECT, CHIP 10uF 20% 16V [for DXC-637P;EK]
C100	1-164-156-11	s CERAMIC 0.1uF 25V
C101	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C102	1-162-974-11	s CERAMIC 0.01uF 50V
C103	1-162-974-11	s CERAMIC 0.01uF 50V
C104	1-162-911-11	s CERAMIC, CHIP 6PF 50V [for DXC-637;J, DXC-637;UC]
C104	1-162-915-11	s CERAMIC, CHIP 10PF 5PF 50V [for DXC-637P;EK]
C105	1-164-156-11	s CERAMIC 0.1uF 25V

## (SG-232(N)/232(P) BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C106	1-164-156-11	s CERAMIC 0.1uF 25V
C107	1-126-393-11	s ELECT 33uF 20% 10V
C108	1-162-909-11	s CERAMIC 4PF 0.25PF 50V
C109	1-164-156-11	s CERAMIC 0.1uF 25V
C110	1-135-180-21	s TANTALUM, CHIP 3.3uF 20% 6.3V
C111	1-104-913-11	s TANTALUM 10uF 20% 16V
C112	1-164-156-11	s CERAMIC 0.1uF 25V
CN1	1-770-581-11	o CONNECTOR 30P
CP1	1-760-267-11	s CRYSTAL 14.31831MHz [for DXC-637;J, DXC-637;UC]
CP1	1-760-269-11	s CRYSTAL 17.734475MHz [for DXC-637P;EK]
D1	8-719-404-35	s DIODE MA141WK
D2	8-719-404-35	s DIODE MA141WK
D3	8-719-404-35	s DIODE MA141WK
D4	8-719-404-35	s DIODE MA141WK
D5	8-719-800-76	s DIODE 1SS226
FL1	1-402-647-11	s DELAY LINE (90°) (NTSC) [for DXC-637;J, DXC-637;UC]
FL1	1-402-646-21	s DELAY LINE (PAL) [for DXC-637P;EK]
FL2	1-239-379-21	s FILTER, BANDPASS 3.58MHz [for DXC-637;J, DXC-637;UC]
FL2	1-239-380-11	s FILTER, BANDPASS [for DXC-637P;EK]
IC1	8-759-101-12	s IC UPC311G2
IC2	8-759-031-84	s IC SC7S04F
IC3	8-752-335-47	s IC CXD1216M
IC4	8-759-234-77	s IC TC4S66F
IC5	8-759-100-94	s IC UPC358G2
IC6	8-759-082-61	s IC TC4W53FU
IC7	8-752-341-58	s IC CXD1217Q
IC8	8-759-209-15	s IC TC4SU69F [for DXC-637P;EK]
IC9	8-759-031-84	s IC SC7S04F
IC10	8-759-082-61	s IC TC4W53FU
IC11	8-759-100-94	s IC UPC358G2
IC12	8-759-902-88	s IC SN74LS123NS
IC13	8-759-082-61	s IC TC4W53FU
IC14	8-759-180-08	s IC TC74HC4538AFS
IC15	8-759-112-66	s IC UPC812G2
IC16	8-759-049-55	s IC SN74HC00APW-E05
IC17	8-759-031-84	s IC SC7S04F
IC18	8-759-906-59	s IC CX22017
IC19	8-759-031-84	s IC SC7S04F
IC20	8-759-059-50	s IC MB88351PFV
IC21	8-759-082-61	s IC TC4W53FU
IC22	8-759-234-20	s IC TC7S08F [for DXC-637P;EK]
IC23	8-759-234-20	s IC TC7S08F
IC24	8-759-031-84	s IC SC7S04F [for DXC-637P;EK]
IC25	8-759-031-84	s IC SC7S04F
IC26	8-759-234-20	s IC TC7S08F
IC27	8-759-035-93	s IC TC7S32F
IC28	8-759-035-93	s IC TC7S32F
L1	1-410-385-11	s INDUCTOR, CHIP 22uH
L2	1-410-385-11	s INDUCTOR, CHIP 22uH
L3	1-410-387-11	s INDUCTOR CHIP 33uH
L4	1-410-389-31	s INDUCTOR CHIP 47uH
L5	1-410-389-31	s INDUCTOR CHIP 47uH
L6	1-410-656-11	s INDUCTOR CHIP 150uH [for DXC-637;J, DXC-637;UC]

## (SG-232(N)/232(P) BOARD)

Ref. No. or Q'ty	Part No.	SP Description
L6	1-410-393-11	s INDUCTOR CHIP 100uH [for DXC-637P;EK]
L7	1-410-389-31	s INDUCTOR CHIP 47uH
L8	1-410-389-31	s INDUCTOR CHIP 47uH
L9	1-410-389-31	s INDUCTOR CHIP 47uH
L10	1-410-385-11	s INDUCTOR, CHIP 22uH
L11	1-410-389-31	s INDUCTOR CHIP 47uH
L12	1-410-389-31	s INDUCTOR CHIP 47uH
L13	1-410-389-31	s INDUCTOR CHIP 47uH
L14	1-410-389-31	s INDUCTOR CHIP 47uH
L15	1-410-389-31	s INDUCTOR CHIP 47uH
L16	1-410-389-31	s INDUCTOR CHIP 47uH
L17	1-412-280-31	s INDUCTOR 330uH
L18	1-412-280-31	s INDUCTOR 330uH
L19	1-410-389-31	s INDUCTOR CHIP 47uH
L20	1-410-389-31	s INDUCTOR CHIP 47uH
L21	1-410-389-31	s INDUCTOR CHIP 47uH
L22	1-410-389-31	s INDUCTOR CHIP 47uH
Q1	8-729-402-84	s TRANSISTOR XN4601
Q2	8-729-402-19	s TRANSISTOR XN6501
Q3	8-729-905-24	s TRANSISTOR 2SA1576S
Q4	8-729-402-19	s TRANSISTOR XN6501
Q5	8-729-403-29	s TRANSISTOR XN6435
Q6	8-729-402-84	s TRANSISTOR XN4601
Q7	8-729-141-53	s TRANSISTOR 2SK94-X2X3X4
Q8	8-729-402-19	s TRANSISTOR XN6501
Q9	8-729-403-29	s TRANSISTOR XN6435
Q10	8-729-905-24	s TRANSISTOR 2SA1576S
Q11	8-729-402-84	s TRANSISTOR XN4601 [for DXC-637;J, DXC-637;UC]
Q12	8-729-402-84	s TRANSISTOR XN4601
Q13	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q14	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q15	8-729-402-19	s TRANSISTOR XN6501
Q16	8-729-402-19	s TRANSISTOR XN6501
Q17	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q18	8-729-402-19	s TRANSISTOR XN6501
Q19	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q20	8-729-402-19	s TRANSISTOR XN6501
Q21	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q22	8-729-402-78	s TRANSISTOR XN6401
Q23	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q24	8-729-905-24	s TRANSISTOR 2SA1576S
Q25	8-729-402-19	s TRANSISTOR XN6501
Q26	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q27	8-729-402-78	s TRANSISTOR XN6401
Q28	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q29	8-729-905-24	s TRANSISTOR 2SA1576S
Q30	8-729-905-24	s TRANSISTOR 2SA1576S
Q31	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q32	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q33	8-729-402-19	s TRANSISTOR XN6501
Q34	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
R8	1-218-867-11	s METAL 6.8K 0.50% 1/16W
R10	1-218-840-11	s METAL 510 0.50% 1/16W
R14	1-218-848-11	s METAL 1.1K 0.50% 1/16W
R18	1-218-851-11	s METAL 1.5K 0.50% 1/16W
R20	1-211-977-11	s METAL 22 0.50% 1/16W

Please see page D-13 for the part numbers of resistor that is not the parts list.

## (SG-232(N)/232(P) BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R24	1-218-866-11 s	METAL 6.2K 0.50% 1/16W
R25	1-218-901-11 s	METAL 180K 0.50% 1/16W
R27	1-218-867-11 s	METAL 6.8K 0.50% 1/16W
R29	1-216-857-11 s	METAL, CHIP 1M 5% 1/16W
R36	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R42	1-218-901-11 s	METAL 180K 0.50% 1/16W
R43	1-218-851-11 s	METAL 1.5K 0.50% 1/16W
R44	1-218-851-11 s	METAL 1.5K 0.50% 1/16W [for DXC-637;J, DXC-637;UC]
R49	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637;J, DXC-637;UC]
R50	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R51	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637P;EK]
R57	1-218-867-11 s	METAL 6.8K 0.50% 1/16W
R58	1-218-883-11 s	METAL 33K 0.50% 1/16W
R60	1-218-883-11 s	METAL 33K 0.50% 1/16W [for DXC-637;J, DXC-637;UC]
R63	1-218-837-11 s	METAL 390 0.50% 1/16W [for DXC-637;J, DXC-637;UC]
R64	1-218-837-11 s	METAL 390 0.50% 1/16W [for DXC-637;J, DXC-637;UC]
R65	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637P;EK]
R70	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637P;EK]
R72	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637;J, DXC-637;UC]
R73	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637P;EK]
R74	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R75	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637;J, DXC-637;UC]
R76	1-216-857-11 s	METAL, CHIP 1M 5% 1/16W
R77	1-216-857-11 s	METAL, CHIP 1M 5% 1/16W
R78	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637P;EK]
R79	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R80	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R81	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R82	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R91	1-218-881-11 s	METAL 27K 0.50% 1/16W
R96	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637;J, DXC-637;UC]
R98	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637P;EK]
R100	1-218-883-11 s	METAL 33K 0.50% 1/16W
R103	1-218-883-11 s	METAL 33K 0.50% 1/16W
R114	1-218-868-11 s	METAL 7.5K 0.50% 1/16W
R126	1-218-851-11 s	METAL 1.5K 0.50% 1/16W
R127	1-218-837-11 s	METAL 390 0.50% 1/16W
R133	1-218-867-11 s	METAL 6.8K 0.50% 1/16W
R138	1-218-851-11 s	METAL 1.5K 0.50% 1/16W
R139	1-218-837-11 s	METAL 390 0.50% 1/16W
R142	1-218-889-11 s	METAL 56K 0.50% 1/16W
R145	1-218-867-11 s	METAL 6.8K 0.50% 1/16W
R148	1-218-851-11 s	METAL 1.5K 0.50% 1/16W
R157	1-218-889-11 s	METAL 56K 0.50% 1/16W [for DXC-637P;EK]
R164	1-218-883-11 s	METAL 33K 0.50% 1/16W
R168	1-218-867-11 s	METAL 6.8K 0.50% 1/16W [for DXC-637P;EK]

## (SG-232(N)/232(P) BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R171	1-218-867-11 s	METAL 6.8K 0.50% 1/16W [for DXC-637P;EK]
R177	1-218-851-11 s	METAL 1.5K 0.50% 1/16W
R189	1-218-867-11 s	METAL 6.8K 0.50% 1/16W [for DXC-637P;EK]
R191	1-218-845-11 s	METAL 820 0.50% 1/16W [for DXC-637;J, DXC-637;UC]
R191	1-218-844-11 s	METAL 750 0.50% 1/16W [for DXC-637P;EK]
R193	1-218-883-11 s	METAL 33K 0.50% 1/16W
R204	1-218-851-11 s	METAL 1.5K 0.50% 1/16W
R207	1-211-977-11 s	METAL 22 0.50% 1/16W
R211	1-218-851-11 s	METAL 1.5K 0.50% 1/16W [for DXC-637;J, DXC-637;UC]
R226	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DXC-637;J, DXC-637;UC]
RV1	1-241-262-11 s	RES, ADJ, METALT 2K
RV2	1-241-265-11 s	RES, ADJ, METALT 20K
RV3	1-238-852-11 s	RES, ADJ, METAL 470
RV4	1-238-852-11 s	RES, ADJ, METAL 470
RV5	1-241-263-11 s	RES, ADJ, METALT 5K
RV6	1-238-854-11 s	RES, ADJ, METAL 2.2K
RV7	1-238-855-11 s	RES, ADJ, METAL 4.7K
RV8	1-238-852-11 s	RES, ADJ, METAL 470
RV9	1-241-263-11 s	RES, ADJ, METALT 5K
RV10	1-238-853-11 s	RES, ADJ, METAL 1K

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SW-724 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8310-953-A	o MOUNTED CIRCUIT BOARD, SW-724
1pc	3-686-186-01	s KNOB, MODE-SW
1pc	3-717-900-01	s KNOB (A) (TC), SW
1pc	3-349-533-11	o HOLDER (B), LED
2pcs	3-674-372-00	o HOLDER (A), LED
C1	1-104-914-11	s TANTALUM 22uF 20% 16V
C2	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C3	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C4	1-104-852-11	s TANTALUM 22uF 20% 10V
C5	1-104-557-11	s FILM 0.033uF 5% 16V
C6	1-164-161-11	s CERAMIC, CHIP 0.0022uF 10% 100V
C7	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C8	1-163-133-00	s CERAMIC, CHIP 470PF 5% 50V
C9	1-104-916-11	s TANTALUM 6.8uF 20% 20V
C10	1-104-914-11	s TANTALUM 22uF 20% 16V
C11	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C12	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C13	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C14	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C15	1-163-038-91	s CERAMIC 0.1uF 25V
C16	1-163-038-91	s CERAMIC 0.1uF 25V
C17	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C18	1-163-038-91	s CERAMIC 0.1uF 25V
C19	1-163-038-91	s CERAMIC 0.1uF 25V
C20	1-163-038-91	s CERAMIC 0.1uF 25V
C21	1-104-916-11	s TANTALUM 6.8uF 20% 20V
C22	1-104-916-11	s TANTALUM 6.8uF 20% 20V
C23	1-135-164-21	s TANTALUM, CHIP 22uF 20% 10V
C24	1-104-914-11	s TANTALUM 22uF 20% 16V
C25	1-135-214-21	s TANTAL 4.7uF 20% 20V
C26	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C27	1-135-214-21	s TANTAL 4.7uF 20% 20V
C28	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C29	1-163-038-91	s CERAMIC 0.1uF 25V
C30	1-135-214-21	s TANTAL 4.7uF 20% 20V
C31	1-135-214-21	s TANTAL 4.7uF 20% 20V
C32	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C34	1-126-397-11	s ELECT, CHIP 33uF 20% 25V
C35	1-126-397-11	s ELECT, CHIP 33uF 20% 25V
C36	1-126-397-11	s ELECT, CHIP 33uF 20% 25V
C37	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C38	1-163-038-91	s CERAMIC 0.1uF 25V
C39	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
C40	1-104-913-11	s TANTALUM 10uF 20% 16V
C41	1-126-390-11	s ELECT, CHIP 22uF 20% 6.3V
CN1	1-766-792-11	o CONNECTOR 12P
CN2	1-766-792-11	o CONNECTOR 12P
D1	8-719-053-49	s DIODE TLO143
D2	8-719-053-49	s DIODE TLO143
D3	8-719-053-49	s DIODE TLO143
D4	8-719-017-42	s DIODE HSM88WA
D5	8-719-017-42	s DIODE HSM88WA
D6	8-719-017-42	s DIODE HSM88WA
D7	8-719-404-35	s DIODE MA141WK
D8	8-719-157-33	s DIODE RD6.2M-B
D11	8-719-404-35	s DIODE MA141WK
D12	8-719-404-35	s DIODE MA141WK
D13	8-719-404-35	s DIODE MA141WK

(SW-724 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
IC1	8-759-635-27	s IC M62352GP
IC2	8-759-009-05	s IC MC14051BF
IC3	8-759-173-16	s IC TL062CPW
IC4	8-759-082-61	s IC TC4W53FU
IC5	8-759-076-06	s IC TL064CPW
IC6	8-759-009-05	s IC MC14051BF
IC7	8-759-076-06	s IC TL064CPW
IC8	8-759-082-61	s IC TC4W53FU
IC9	8-759-700-07	s IC NJM2903M
IC10	8-759-076-06	s IC TL064CPW
IC11	8-759-009-06	s IC MC14052BF
IC12	8-759-700-07	s IC NJM2903M
IC13	8-759-082-61	s IC TC4W53FU
IC14	8-759-082-61	s IC TC4W53FU
IC15	8-759-082-61	s IC TC4W53FU
L1	1-410-389-31	s INDUCTOR CHIP 47uH
L2	1-410-389-31	s INDUCTOR CHIP 47uH
L3	1-410-387-11	s INDUCTOR CHIP 33uH
L4	1-412-282-41	s INDUCTOR 470uH
L5	1-412-282-41	s INDUCTOR 470uH
Q1	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q2	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q3	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q4	8-729-109-44	s TRANSISTOR 2SK94
Q5	8-729-402-78	s TRANSISTOR XN6401
Q6	8-729-402-19	s TRANSISTOR XN6501
Q7	8-729-109-44	s TRANSISTOR 2SK94
Q8	8-729-109-44	s TRANSISTOR 2SK94
Q11	8-729-109-44	s TRANSISTOR 2SK94
Q12	8-729-800-37	s TRANSISTOR 2SD1048-X7
Q13	8-729-807-87	s TRANSISTOR 2SB1295-UL6
R1	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R2	1-216-089-00	s METAL, CHIP 47K 5% 1/10W
R3	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R4	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R5	1-216-089-00	s METAL, CHIP 47K 5% 1/10W
R6	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R7	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R8	1-216-089-00	s METAL, CHIP 47K 5% 1/10W
R9	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R10	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R11	1-216-089-00	s METAL, CHIP 47K 5% 1/10W
R12	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R13	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R14	1-216-089-00	s METAL, CHIP 47K 5% 1/10W
R15	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R16	1-216-089-00	s METAL, CHIP 47K 5% 1/10W
R17	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R18	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R19	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R20	1-216-075-00	s METAL, CHIP 12K 5% 1/10W
R21	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R22	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R23	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R24	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R25	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R26	1-216-121-00	s METAL, CHIP 1M 5% 1/10W

Please see page D-13 for the part numbers of resistor that is not the parts list.

## (SW-724 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R27	1-216-095-00 s	METAL, CHIP 82K 5% 1/10W
R28	1-216-079-00 s	METAL, CHIP 18K 5% 1/10W
R29	1-216-079-00 s	METAL, CHIP 18K 5% 1/10W
R30	1-216-069-00 s	METAL, CHIP 6.8K 5% 1/10W
R31	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R32	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R33	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R34	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R35	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R36	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R37	1-216-049-91 s	METAL 1K 5% 1/10W
R38	1-216-049-91 s	METAL 1K 5% 1/10W
R39	1-216-049-91 s	METAL 1K 5% 1/10W
R40	1-216-025-91 s	METAL 100 5% 1/10W
R41	1-216-083-00 s	METAL, CHIP 27K 5% 1/10W
R42	1-216-689-11 s	METAL, CHIP 39K 0.5% 1/10W
R43	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R44	1-216-085-00 s	METAL, CHIP 33K 5% 1/10W
R45	1-216-085-00 s	METAL, CHIP 33K 5% 1/10W
R46	1-216-085-00 s	METAL, CHIP 33K 5% 1/10W
R47	1-216-069-00 s	METAL, CHIP 6.8K 5% 1/10W
R48	1-216-089-00 s	METAL, CHIP 47K 5% 1/10W
R49	1-216-085-00 s	METAL, CHIP 33K 5% 1/10W
R50	1-216-083-00 s	METAL, CHIP 27K 5% 1/10W
R51	1-216-079-00 s	METAL, CHIP 18K 5% 1/10W
R52	1-216-089-00 s	METAL, CHIP 47K 5% 1/10W
R53	1-216-081-00 s	METAL, CHIP 22K 5% 1/10W
R54	1-216-081-00 s	METAL, CHIP 22K 5% 1/10W
R55	1-216-085-00 s	METAL, CHIP 33K 5% 1/10W
R56	1-216-081-00 s	METAL, CHIP 22K 5% 1/10W
R57	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R58	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R59	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R60	1-208-800-11 s	METAL 5.6K 0.50% 1/10W
R61	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R62	1-216-677-11 s	METAL, CHIP 12K 0.5% 1/10W
R64	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R65	1-216-069-00 s	METAL, CHIP 6.8K 5% 1/10W
R66	1-216-105-91 s	METAL 220K 5% 1/10W
R67	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R68	1-216-025-91 s	METAL 100 5% 1/10W
R69	1-216-049-91 s	METAL 1K 5% 1/10W
R70	1-208-810-11 s	METAL 15K 0.50% 1/10W
R71	1-208-806-11 s	METAL 10K 0.50% 1/10W
R72	1-216-025-91 s	METAL 100 5% 1/10W
R73	1-216-699-11 s	METAL, CHIP 100K 0.5% 1/10W
R74	1-216-065-00 s	METAL, CHIP 4.7K 5% 1/10W
R75	1-216-065-00 s	METAL, CHIP 4.7K 5% 1/10W
R76	1-216-081-00 s	METAL, CHIP 22K 5% 1/10W
R77	1-208-817-11 s	METAL 30K 0.50% 1/10W
R78	1-208-806-11 s	METAL 10K 0.50% 1/10W
R79	1-208-814-11 s	METAL 22K 0.50% 1/10W
R80	1-216-065-00 s	METAL, CHIP 4.7K 5% 1/10W
R81	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R82	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R83	1-216-089-00 s	METAL, CHIP 47K 5% 1/10W
R84	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R85	1-216-089-00 s	METAL, CHIP 47K 5% 1/10W
R86	1-216-085-00 s	METAL, CHIP 33K 5% 1/10W

## (SW-724 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R87	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R88	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R89	1-216-077-00 s	METAL, CHIP 15K 5% 1/10W
R90	1-216-067-00 s	METAL, CHIP 5.6K 5% 1/10W
R91	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R92	1-216-049-91 s	METAL 1K 5% 1/10W
R93	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R94	1-216-659-11 s	METAL, CHIP 2.2K 0.5% 1/10W
R95	1-216-659-11 s	METAL, CHIP 2.2K 0.5% 1/10W
R96	1-216-081-00 s	METAL, CHIP 22K 5% 1/10W
R98	1-216-121-00 s	METAL, CHIP 1M 5% 1/10W
R99	1-208-810-11 s	METAL 15K 0.50% 1/10W
R100	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R101	1-216-671-11 s	METAL, CHIP 6.8K 0.5% 1/10W
R102	1-216-065-00 s	METAL, CHIP 4.7K 5% 1/10W
R103	1-216-071-00 s	METAL, CHIP 8.2K 5% 1/10W
R104	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R105	1-216-081-00 s	METAL, CHIP 22K 5% 1/10W
R106	1-216-081-00 s	METAL, CHIP 22K 5% 1/10W
R107	1-216-045-00 s	METAL, CHIP 680 5% 1/10W
R108	1-216-075-00 s	METAL, CHIP 12K 5% 1/10W
R109	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R110	1-216-089-00 s	METAL, CHIP 47K 5% 1/10W
R111	1-216-065-00 s	METAL, CHIP 4.7K 5% 1/10W
R112	1-216-121-00 s	METAL, CHIP 1M 5% 1/10W
R119	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R121	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R122	1-216-021-00 s	METAL, CHIP 68 5% 1/10W
R123	1-216-021-00 s	METAL, CHIP 68 5% 1/10W
R124	1-216-021-00 s	METAL, CHIP 68 5% 1/10W
R125	1-216-021-00 s	METAL, CHIP 68 5% 1/10W
R126	1-208-810-11 s	METAL 15K 0.50% 1/10W
R127	1-216-661-11 s	METAL, CHIP 2.7K 0.5% 1/10W
R128	1-208-822-11 s	METAL 47K 0.50% 1/10W
R129	1-216-699-11 s	METAL, CHIP 100K 0.5% 1/10W
R130	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R131	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R132	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
RV1	1-238-856-11 s	RES, ADJ, METAL 10K
RV2	1-238-855-11 s	RES, ADJ, METAL 4.7K
RV3	1-238-857-11 s	RES, ADJ METAL 22K
RV4	1-238-854-11 s	RES, ADJ, METAL 2.2K
S1	1-570-851-11 s	SWITCH, SLIDE
S2	1-554-303-21 s	SWITCH, TACTILE
S3	1-570-854-11 s	SWITCH, SLIDE
S4	1-571-404-11 s	SWITCH, KEY BOARD
S5	1-570-859-11 s	SWITCH, SLIDE
S6	1-570-859-11 s	SWITCH, SLIDE
S7	1-553-875-00 s	SWITCH, RUBBER
S8	1-570-859-11 s	SWITCH, SLIDE
S9	1-553-875-00 s	SWITCH, RUBBER
S10	1-553-875-00 s	SWITCH, RUBBER
S11	1-570-851-11 s	SWITCH, SLIDE
S12	1-570-282-21 s	SWITCH, KEY BOARD
S13	1-570-865-11 s	SWITCH, SLIDE
S14	1-553-977-00 s	SWITCH, SLIDE
S15	1-570-859-11 s	SWITCH, SLIDE
S16	1-553-977-00 s	SWITCH, SLIDE

(SW-724 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
S18	1-570-282-21	s SWITCH, KEY BOARD

SW-728 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8310-947-A	o MOUNTED CIRCUIT BOARD, SW-728
R1	1-215-461-00	s METAL 47K 1% 1/6W
R2	1-215-425-00	s METAL 1.5K 1% 1/6W
R3	1-215-457-00	s METAL 33K 1% 1/6W
R4	1-215-441-00	s METAL 6.8K 1% 1/6W
R5	1-215-453-00	s METAL 22K 1% 1/6W
R6	1-215-461-00	s METAL 47K 1% 1/6W
R7	1-215-373-31	s METAL 10 1% 1/6W
R8	1-215-425-00	s METAL 1.5K 1% 1/6W
S1	1-570-985-11	s SWITCH, TOGGLE
S2	1-570-985-11	s SWITCH, TOGGLE
S3	1-570-985-11	s SWITCH, TOGGLE
S4	1-571-396-11	s SWITCH, TOGGLE
W1	1-954-552-11	o HARNESS, SUB (SW-1)

FRAME

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-547-259-11	o FILTER UNIT, OPTICAL
1pc	1-954-548-11	o HARNESS, SUB (FL) (SE-MB)
1pc	1-473-244-11	s CONVERTER UNIT, DC-DC
1pc	1-769-710-11	o CABLE, FLAT (1 MM)
1pc	1-954-549-12	o HARNESS, SUB (LENS)
1pc	1-954-550-13	o HARNESS, SUB (CNP)
CN100	1-563-947-11	s CONNECTOR 12P FEMALE "LENS"
CN101	1-562-782-21	s CONNECTOR 10P FEMALE "REMOTE"
CN102	1-507-858-31	o JACK, PIN 1P "MONITOR OUT"
CN103	1-561-781-11	s CONNECTOR, BNC "VIDEO OUT"
CN4F(to	MB-597(N)/MB-597(P) board)	
	1-569-201-21	o HOUSING, 8P
	1-569-193-11	o CONTACT, AWG24-30
CN11F(to	MB-597(N)/MB-597(P) board)	
	1-569-205-11	o PLUG HOUSING, 12P
	1-569-193-11	o CONTACT, AWG24-30
CN20F(to	MB-597(N)/MB-597(P) board)	
	1-569-195-21	o HOUSING, 2P
	1-569-191-11	o CONTACT, AWG22-26
	1-569-193-11	o CONTACT, AWG24-30
FB101	1-500-169-11	o CORE (FPC)
FB102	1-543-786-11	s CLAMP, SLEEVE FERRITE

## EXPLODED VIEW (VCL-916BYA)

VCL-916BYA

No.	Part No.	SP Description
1	3-707-245-01	o CAP, HOOD
2	3-707-246-01	o CAP, DUST
3	3-707-247-01	o LEVER, ZOOM
4	3-708-171-01	o HOOD, LENS

